

File 344:Chinese Patents Abs Aug 1985-2003/Apr
(c) 2003 European Patent Office
File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)
(c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200367
(c) 2003 Thomson Derwent

?ds

Set	Items	Description
S1	298	AU=(MCAULAY, R? OR MCAULAY R? OR COHEN, S? OR COHEN S?)
S2	1736	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT) (3N) (DOWNLOAD? OR DOWN()LOAD?)
S3	1016	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR IMAGE OR IMAGES OR GAME OR GAMES) (3N) (DOWNLOAD? OR D-OWN()LOAD?)
S4	85096	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT OR IMAGE OR IMAGES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR SEND? ? OR SENDING)
S5	85099	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR CONTENT? ? OR WORK? ? OR IMAGE OR IMAGES OR GAME OR - GAMES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR S-END? ? OR SENDING)
S6	82255	WAN OR LAN OR WIDE()AREA()NETWORK? OR LOCAL()AREA()NETWORK? OR SATELLITE?
S7	632	(MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR SECOND)- (2W) (LIST OR LISTS OR LISTING?)
S8	4	S1 AND (S2 OR S3 OR S4 OR S5)
S9	107841	S2:S5
S10	433	S9(3N)S6
S11	114	S10 AND IC=G06F
S12	99	S11 NOT TRANSMITTER?
S13	57	S12 NOT IMAGE?
S14	43	S13 NOT BROADCAST?
S15	39	S14 NOT GAME
S16	9	S9 AND S7
S17	9	S16 NOT S15

8/5/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014584969 **Image available**
WPI Acc No: 2002-405673/200243
XRPX Acc No: N02-318501

digital data storage and transmitting device for use with a digital camera, includes a controller configured to control storage and forward transmission of image data received from a camera

Patent Assignee: CLARK E N (CLAR-I); COHEN S (COHE-I); GABRIELSON A (GABR-I); NIERENBURG J (NIER-I); NOEL J C S (NOEL-I); DROPFIRE INC (DROP-N)

Inventor: CLARK E N; **COHEN S**; GABRIELSON A; NIERENBURG J; NOEL J C S

Number of Countries: 096 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200239736	A2	20020516	WO 2001US46424	A	20011113	200243 B
US 20020108118	A1	20020808	US 2000247190	A	20001110	200254
			US 20017629	A	20011113	
AU 200227215	A	20020521	AU 200227215	A	20011113	200260

Priority Applications (No Type Date): US 2000247190 P 20001110; US 20017629 A 20011113

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200239736	A2	E 45	H04N-005/77	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020108118	A1	H04N-007/173	Provisional application	US 2000247190
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AU 200227215	A	H04N-005/77	Based on patent	WO 200239736
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Abstract (Basic): WO 200239736 A2

NOVELTY - Digitized data storage and transmitting device (100a), includes a controller (110) to control acquisition of image data from a digital camera, storage of this data and its transmission to a remote location. Captured data can be automatically transmitted to a remote storage system using a variety of communication protocols and techniques, including wireless or cellphone technologies.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) An image capturing and storage system; (A method for capturing images using an image capturing device and storing the captured images at a remote storage location.

USE - For use in storing and **transmitting image** data from a digital camera, digital camcorder or other image/video capturing device.

ADVANTAGE - The digital storage and transmitting device allows a user to easily **download** digitized **image** data from a digital camera and to transmit the data to a remote device without requiring any action by the user.

DESCRIPTION OF DRAWING(S) - The figure is a block diagram of a digitized data storage and transmitting device.

Digitized data storage and transmitting device ((110) Controller. (100a)

pp; 45 DwgNo 3A/6

Title Terms: DIGITAL; DATA; STORAGE; TRANSMIT; DEVICE; DIGITAL; CAMERA; CONTROL; CONFIGURATION; CONTROL; STORAGE; FORWARD; TRANSMISSION; IMAGE; DATA; RECEIVE; CAMERA

Derwent Class: W01; W02; W04

International Patent Class (Main): H04N-005/77; H04N-007/173
File Segment: EPI

8/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013815526 **Image available**
WPI Acc No: 2001-299738/200131
XRPX Acc No: N01-215045

Distributed entertainment system for electronic music and game
machine has peripheral devices that connect to entertainment unit so that
user performs one activity through user input device and user interface

Patent Assignee: E-CAST INC (ECAS-N)

Inventor: COHEN S ; MCAULAY R

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200108148	A1	20010201	WO 2000US19454	A	20000714	200131 B
AU 200061064	A	20010213	AU 200061064	A	20000714	200134

Priority Applications (No Type Date): US 2000519008 A 20000303; US 99145607
P 19990726

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200108148	A1	E	60 G11B-019/02	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200061064	A		G11B-019/02	Based on patent WO 200108148
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Abstract (Basic): WO 200108148 A1

NOVELTY - The local memory of each entertainment unit (110-121),
connected to a WAN (123,124), stores the entertainment content
comprising music. The peripheral devices are coupled to the
entertainment unit via a peripheral interface, so that a user performs
at least one activity from a music and an electronic game playing, a TV
content viewing and an Internet browsing through a user input device
and a user interface.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:

- (a) a network entertainment unit;
- (b) a method for electronic entertainment.

USE - For electronic music and game machines used in and out of
home or at e.g. bar, restaurant, airport.

ADVANTAGE - Provides real-time access to Internet, hence enabling
user to browse, shop and play tournament games in Internet using same
unit that allows music selection. Enables easy integration of variety
of peripheral devices e.g. payment hardware and software, external game
controllers.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
distributed entertainment system.

Entertainment unit (110-121)

WAN (123,124)

pp; 60 DwgNo 1/27

Title Terms: DISTRIBUTE; ENTERTAINMENT; SYSTEM; ELECTRONIC; MUSIC; GAME;
MACHINE; PERIPHERAL; DEVICE; CONNECT; ENTERTAINMENT; UNIT; SO; USER;
PERFORMANCE; ONE; ACTIVE; THROUGH; USER; INPUT; DEVICE; USER; INTERFACE
Derwent Class: T01; T03; T05; W04

International Patent Class (Main): G11B-019/02

International Patent Class (Additional): G07F-007/00; G07F-017/30;

G11B-019/08; G11B-027/00
File Segment: EPI

8/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010980373 **Image available**
WPI Acc No: 1996-477322/199647
XRPX Acc No: N96-402472

Image generation method for hand held camera and virtual image - involves capturing foreground image by position detected camera and merging this with computer generated 3D image

Patent Assignee: ELECTROGIG CORP (ELEC-N)
Inventor: COHEN S M ; LOFTUS J A; REID I G
Number of Countries: 040 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9632697	A1	19961017	WO 96US4846	A	19960410	199647 B
AU 9654468	A	19961030	AU 9654468	A	19960410	199708

Priority Applications (No Type Date): US 95419020 A 19950410

Cited Patents: 3.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9632697	A1	E	42	G06T-015/00	
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Designated States (National): AT AU BR BY CA CH CN CZ DE DK ES FI GB HU
JP KP KR MX NO NZ PL PT SE SG

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE
LS LU MC MW NL OA PT SD SE SZ UG

AU 9654468	A	G06T-015/00	Based on patent WO 9632697
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Abstract (Basic): WO 9632697 A

The video set production system (5) includes a hand held camera (12A) and a computer based 3-D image generator. The hand held camera has a transmitter (21A) positioned above it on a pole which avoids interference from the camera. This transmitter is linked to another unit (22) and allows the 3-D position of the camera to be known. This information is provided to a magnetic tracker controller (19).

A 3-D rendering system generates virtual rendered scene that is combined with the image from the hand held camera to generate a complete image. The control system has a console (15) and selectors to manage the **image** and **transmission**.

ADVANTAGE - Provides a high degree of freedom for the foreground image in a virtual set production system.

Dwg.1/7

Title Terms: IMAGE; GENERATE; METHOD; HAND; HELD; CAMERA; VIRTUAL; IMAGE; CAPTURE; FOREGROUND; IMAGE; POSITION; DETECT; CAMERA; MERGE; COMPUTER; GENERATE; IMAGE

Derwent Class: T01; W04

International Patent Class (Main): G06T-015/00

File Segment: EPI

8/5/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004761690
WPI Acc No: 1986-265031/198640
Related WPI Acc No: 1988-280054; 1989-324348
XRPX Acc No: N86-198119

Processing acoustic waveforms in speech technology - using analysis and synthesis technique characterising speech waveform by amplitude,

frequencies and phases of sine waves

Patent Assignee: MASSACHUSETTS INST TECHNOLOGY (MASI)

Inventor: MCAULAY R J ; QUATIERI T F

Number of Countries: 015 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8605617	A	19860925	WO 86US543	A	19860314	198640 B
AU 8656208	A	19861013				198651
EP 215915	A	19870401	EP 86902188	A	19860314	198713
JP 62502572	W	19871001	JP 86501779	A	19860314	198745
CA 1243122	A	19881011				198845
US 4885790	A	19891205	US 89339957	A	19890418	199006
US 36478	E	19991228	US 85712866	A	19850318	200007
			US 89339957	A	19890418	
			US 96631222	A	19960412	

Priority Applications (No Type Date): US 85712866 A 19850318; US 8734204 A 19870402; US 96631222 A 19960412

Cited Patents: Jnl.Ref; SSR880113; US 3360610; US 4058676; US 4076958

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8605617	A	E	52		
					Designated States (National): AU JP
					Designated States (Regional): AT BE CH DE FR GB IT LU NL SE
US 36478	E			G10L-005/00	Cont of application US 85712866
					Reissue of patent US 4885790

EP 215915 A E

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Abstract (Basic): WO 8605617 A

The waveform is sampled to obtain a series of discrete samples and a series of frames are constructed. Each frame spans a number of samples, and is analysed to extract a set of frequency components having individual amplitudes. The components are tracked from one frame to the next. The values of the components are interpolated to obtain a parametric representation of the waveform. A synthetic waveform may be constructed by generating a series of sine waves corresponding to the parametric representations.

Amplitudes and frequencies of the component sine waves are used to represent the waveform. In this 'magnitude-only' system, phase continuity is maintained by defining the phase to be the integral of the instantaneous frequency. In a more comprehensive method explicit use is made of the measured phases as well as the amplitudes and frequencies of the components.

USE/ADVANTAGE - In speech coding, time scale modification, frequency scale modification and pitch modification. Robust devices may be built to operate in environments of additive acoustic noise. Single or multiple speaker signals and music or biological sounds may be analysed. Other applications include reading machines for the blind, broadcast journalism editing and **transmission of music** to remote players. (52pp Dwg.No.1/10)

Title Terms: PROCESS; ACOUSTIC; WAVEFORM; SPEECH; TECHNOLOGY; ANALYSE; SYNTHESIS; TECHNIQUE; CHARACTERISTIC; SPEECH; WAVEFORM; AMPLITUDE; FREQUENCY; PHASE; SINE; WAVE

Index Terms/Additional Words: MUSIC; BLIND; BIOLOGICAL; READ

Derwent Class: P86; W04

International Patent Class (Main): G10L-005/00

International Patent Class (Additional): G10L-003/00; G10L-007/06; G10L-009/00

File Segment: EPI; EngPI

15/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07473362 **Image available**
DATA STORE AND PLAYBACK SYSTEM

PUB. NO.: 2002-341879 [JP 2002341879 A]
PUBLISHED: November 29, 2002 (20021129)
INVENTOR(s): IZUMI SEIJI
YAMANAKA TADAMASA
TAKAHASHI KEIICHI
IWASE KENJI
APPLICANT(s): PIONEER ELECTRONIC CORP
APPL. NO.: 2001-149725 [JP 20011149725]
FILED: May 18, 2001 (20010518)
INTL CLASS: G10K-015/02; G06F-012/00 ; G06F-013/00 ; G06F-017/60 ;
H04B-007/26; H04H-001/00; H04M-011/00; H04N-007/173

ABSTRACT

PROBLEM TO BE SOLVED: To provide a data store and playback system including a user terminal which can use desired data without a storage means with large capacity and is inexpensive and small sized.

SOLUTION: In an on-vehicle device 2 mounted on a vehicle 1, the music data distributed from an artificial satellite 3 are received through a satellite receiving antenna 22a, and the music data are transmitted and received between the on-vehicle device 2 and a center servers 5 via a base station through an antenna 23a for a portable telephone. A storage 13 for a user in which a predetermined capacity is allocated for every user is set in the music database 11 of the center server 5. The center server 5 receives the music data to which classification data from the on-vehicle device 2 are added, and stores them in the storage 13 for the user. The center server 5 reads the music data stored in the storage 13 for the user on the basis of the classification data according to the playback request of the user, and transmits them to the on-vehicle device 2. An accounting part 12 carries out accounting to the user by using charging information for every user stored in a charging database 14.

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15/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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07339167 **Image available**
SYSTEM, SERVER, COMMUNICATION METHOD, PROGRAM, AND RECORDING MEDIUM FOR CONTENTS DISTRIBUTION

PUB. NO.: 2002-207658 [JP 2002207658 A]
PUBLISHED: July 26, 2002 (20020726)
INVENTOR(s): NAKAYAMA YUJI
APPLICANT(s): NTT DOCOMO INC
APPL. NO.: 2001-002920 [JP 20011002920]
FILED: January 10, 2001 (20010110)
INTL CLASS: G06F-013/00 ; H04L-012/56; H04L-012/58; H04M-011/08

ABSTRACT

PROBLEM TO BE SOLVED: To shorten the time needed to download contents and so on.

SOLUTION: A center server 40 receives contents from contents servers 50-1 to 50-n and sends the contents to local servers 20-1 to 20-n of middlemen 1 to (n) through a public network 30. The local servers 20-1 to 20-n transmit

the received contents to a (user) terminal 10 through a **LAN** . Thus, the **contents** are **distributed** to the respective local servers through relatively-slow transmission lines of the public network. Then transmission lines of a LAN faster than the public network is used from the local servers to end users, to download the contents in a short time and also economically since the public network is not used directly.

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15/5/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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07255175 **Image available**
SYSTEM AND METHOD FOR PRODUCING/DISTRIBUTING CONTENTS

PUB. NO.: 2002-123634 [JP 2002123634 A]
PUBLISHED: April 26, 2002 (20020426)
INVENTOR(s): SUGIMOTO CHIAKI
APPLICANT(s): NIPPON TELEGRAPH & TELEPHONE WEST CORP
APPL. NO.: 2000-312274 [JP 2000312274]
FILED: October 12, 2000 (20001012)
INTL CLASS: **G06F-017/60** ; H04N-007/173

ABSTRACT

PROBLEM TO BE SOLVED: To make the production or distribution of contents easy for a contents producer.

SOLUTION: A site for producing contents while using material data is provided through a wide area network 6 to the contents producer by a material/ contents managing server 1, contents produced at such a time are managed by the server 1 and according to a **distribution** request, these produced **contents** are **distributed** through the **wide area network** 6 to a contents viewer by a contents distributing server 2. Besides, the utilization fees of a production/ distribution environment are charged to the contents producer and the viewing fees of contents are charged to the contents viewer by a central managing server 3. Besides, the material/contents managing server 1, the contents distributing server 2 and the central managing server 3 are operated by a service provider.

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15/5/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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06976176 **Image available**
METHOD FOR CONTENTS SERVICE

PUB. NO.: 2001-203747 [JP 2001203747 A]
PUBLISHED: July 27, 2001 (20010727)
INVENTOR(s): FUKUDA CHIKU
APPLICANT(s): SPACE COMMUNICATIONS CORP
APPL. NO.: 2000-013527 [JP 200013527]
FILED: January 21, 2000 (20000121)
INTL CLASS: H04L-012/54; H04L-012/58; **G06F-013/00** ; H04H-001/00;
H04L-012/18

ABSTRACT

PROBLEM TO BE SOLVED: To perform multicasting of contents provided from a server of the Internet through a communication satellite.

SOLUTION: A receiving station is provided, receives the **contents**

transmitted from the communication satellite 200 and performs multicasting the contents to a plurality of terminals 1101.

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15/5/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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06665013 **Image available**
DATA DISTRIBUTION SERVICE SYSTEM, DATA DISTRIBUTION CONTROL MANAGING METHOD
UTILIZING SATELLITE LINE, AND CONTENTS CONTROL METHOD FOR DISTRIBUTION

PUB. NO.: 2000-250837 [JP 2000250837 A]
PUBLISHED: September 14, 2000 (20000914)
INVENTOR(s): KATO MASATAKA
ATSUMI KAZUHIKO
SAEKI YASUHIRO
APPLICANT(s): TOSHIBA CORP
APPL. NO.: 11-048454 [JP 9948454]
FILED: February 25, 1999 (19990225)
INTL CLASS: G06F-013/00 ; H04L-012/18

ABSTRACT

PROBLEM TO BE SOLVED: To provide a data distribution service system utilizing a satellite line excellent in operability capable of easily changing the destination to distribute contents and easily and surely confirming conditions distributing the contents as well.

SOLUTION: A repeater 50 is provided between client request source terminal equipment 10 and an UPLINK station 30. The repeater 50 prepares contents for distribution by converting transmission destination information from the client request source terminal equipment 10 to data and simultaneously transmits them through the UPLINK station 30 to reception terminal equipment 40. In the case of related contents, the reception terminal equipment 40 performs decoding processing and returns a reception status.

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15/5/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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06178551 **Image available**
DISTRIBUTION TYPE AUTOMATIC FILE TRANSMISSION SYSTEM

PUB. NO.: 11-120100 [JP 11120100 A]
PUBLISHED: April 30, 1999 (19990430)
INVENTOR(s): INADA TAKEO
APPLICANT(s): HITACHI LTD
APPL. NO.: 09-284919 [JP 97284919]
FILED: October 17, 1997 (19971017)
INTL CLASS: G06F-013/00 ; G06F-015/00

ABSTRACT

PROBLEM TO BE SOLVED: To save the resources and reduce the man-hour needed to output the processing result of a job on the electronic computer on paper or copy it recording media such as a floppy disk as many as needed when distributing it to departments or relative persons.

SOLUTION: When the result of processing by the electronic computer is automatically transmitted as electronic mails to transmission destinations requiring the result, the corresponding processing result of the job on the

electronic computer 1 which is stored in a spool volume 2 is downloaded by a processing result transmission control system to a mail server 7 connected to a LAN 6 and its contents are distributed as attached files to transmission destination mail IDs corresponding to the job name registered in a transmission destination management book 4. The distributed contents are received and acquired by client PCs 9 connected to the LAN 5 and a network 8.

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15/5/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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05993092 **Image available**
DISTRIBUTION SYSTEM

PUB. NO.: 10-276192 [JP 10276192 A]
PUBLISHED: October 13, 1998 (19981013)
INVENTOR(s): MIZUTANI TETSUYA
APPLICANT(s): XING KK [000000] (A Japanese Company or Corporation), JP
(Japan)
BROTHER IND LTD [000526] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 09-076343 [JP 9776343]
FILED: March 27, 1997 (19970327)
INTL CLASS: [6] H04L-012/18; G06F-013/00 ; G10K-015/04; H04B-007/15
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 30.2 (MISCELLANEOUS GOODS
-- Sports & Recreation); 34.4 (SPACE DEVELOPMENT --
Communication); 42.5 (ELECTRONICS -- Equipment); 44.2
(COMMUNICATION -- Transmission Systems); 45.2 (INFORMATION
PROCESSING -- Memory Units)
JAPIO KEYWORD:R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)

ABSTRACT

PROBLEM TO BE SOLVED: To provide the distribution system in which information of a large capacity is sent only to a specific receiver side terminal equipment even when a communication medium with a large capacity and unable to select a communication object is in use.

SOLUTION: In the distribution system S, a host device 1 distributes key data to a specific karaoke swing along terminal equipment 2 via a public channel 3 at first and uses a communication satellite 4 to distribute actual music data. Then the karaoke swing along terminal equipment 2 validates music data only when the key data are in existence, then the music data is distributed to the specific karaoke swing along terminal equipment 2.

15/5/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

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04290769 **Image available**
ACCUMULATION TYPE DATA IRREGULARITY CORRECTION SYSTEM

PUB. NO.: 05-282469 [JP 5282469 A]
PUBLISHED: October 29, 1993 (19931029)
INVENTOR(s): HARADA TAKESHI
ISHIKAWA TAKAHARU
KITANO HIDETAKA
NAKAJIMA SHOHEI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)

NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-074065 [JP 9274065]
FILED: March 30, 1992 (19920330)
INTL CLASS: [5] **G06F-015/74**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 1688, Vol. 18, No. 74, Pg. 3, February 07, 1994 (19940207)

ABSTRACT

PURPOSE: To provide the accumulation time data irregularity correction system which can send out accurate data at all times.

CONSTITUTION: This system stores input accumulation type data in a data collecting device 1 temporarily, edits the data which are sampled at a constant period and read out, and transfers the data to a work station 4 through a LAN 3. Then the data collecting device 1 is equipped internally with a data collecting part 10 temporarily stored with data to be collected, a local memory 20 which holds the data read out of the data collecting part 10, and a comparison part 30 which compares the contents read out of the data collecting parts 10 with the contents of the corresponding local memory 20 by unit data when the contents of the local memory 20 are sent out to the LAN 3 and then **sends** the **contents** of the local memory 20 out to the LAN 3 when the both match each other.

15/5/9 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015633838 **Image available**

WPI Acc No: 2003-696020/200366

XRPX Acc No: N03-555760

Content distribution method in wide area network , involves transporting content between node and content receiver using specific transport protocol

Patent Assignee: KAUFFMAN M W (KAUF-I); MAKOFKA D S (MAKO-I); AEROCAST.COM INC (AERO-N); GEN INSTR CORP (GENN)

Inventor: KAUFFMAN M W; MAKOFKA D S

Number of Countries: 102 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030093799	A1	20030515	US 20012838	A	20011114	200366 B
WO 200342795	A2	20030522	WO 2002US36854	A	20021114	200366

Priority Applications (No Type Date): US 20012838 A 20011114

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20030093799	A1		24	H04N-007/173	
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WO 200342795	A2	E		G06F-000/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20030093799 A1

NOVELTY - A request for content associated with content providers coupled to Internet (120) and quality of service (QOS) network (122) using MPEG-2 transport protocol, is detected. The content is received at a node of Internet and buffered from a content provider and content receiver. The content is transported between the node and content receiver using another MPEG-2 transport protocol.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for content distribution system.

USE - For distributing content for billing, maintenance and capacity engineering, through wide area network and Internet.

ADVANTAGE - The content is distributed effectively through Internet or quality of service (QOS) network. Thus, moving and listening of content are performed without any interruption.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the content distribution system.

Internet (120)

QOS network (122)

pp; 24 DwgNo 1A/9

Title Terms: CONTENT; DISTRIBUTE; METHOD; WIDE; AREA; NETWORK; TRANSPORT;

CONTENT; NODE; CONTENT; RECEIVE; SPECIFIC; TRANSPORT; PROTOCOL

Derwent Class: T01; W01; W02; W04

International Patent Class (Main): G06F-000/00 ; H04N-007/173

File Segment: EPI

15/5/10 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015631743 **Image available**

WPI Acc No: 2003-693925/200366

XRPX Acc No: N03-554616

Content distribution system for cable television, has connection apparatus for communicating with client terminal, and server to transmit required content to client terminal according to client request

Patent Assignee: HITACHI LTD (HITA); NIPPON TELEGRAPH & TELEPHONE CORP (NITE); NTT INTELLIGENT TECHNOLOGY KK (NITE); OKI ELECTRIC IND CO LTD (OKID); TSUSHIN HOSO KIKO (TSUS-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003263381	A	20030919	JP 200265962	A	20020311	200366 B

Priority Applications (No Type Date): JP 200265962 A 20020311

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003263381	A		12	G06F-013/00	

Abstract (Basic): JP 2003263381 A

NOVELTY - A public telecommunication network has connection apparatus for communicating with a client terminal (5). A content server (1) in the network transmits the content from a storage unit (3) to the client terminal, according to client request.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for content delivery service provision method.

USE - For **distributing content** used on **satellite**, cable television (CATV) and video on demand (VOD).

ADVANTAGE - The content delivery provision service is provided without increasing network load.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the content delivery system. (Drawing includes non-English language text).

server (1)

edge router (2)

storage unit (3)

gateway (4)

terminal (5)

pp; 12 DwgNo 1/12

Title Terms: CONTENT; DISTRIBUTE; SYSTEM; CABLE; TELEVISION; CONNECT; APPARATUS; COMMUNICATE; CLIENT; TERMINAL; SERVE; TRANSMIT; REQUIRE; CONTENT; CLIENT; TERMINAL; ACCORD; CLIENT; REQUEST

Derwent Class: T01; W01; W02
International Patent Class (Main): G06F-013/00
International Patent Class (Additional): H04L-012/58; H04N-007/173
File Segment: EPI

15/5/11 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014947717 **Image available**

WPI Acc No: 2003-008230/200301

XPX Acc No: N03-007166

Content distribution system includes higher order hierarchy user's management server which prepares delivery schedule of content which is notified to lower order hierarchy user's worker server for delivering contents

Patent Assignee: SONY CORP (SONY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002318748	A	20021031	JP 2001122502	A	20010420	200301 B

Priority Applications (No Type Date): JP 2001122502 A 20010420

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002318748	A	11	G06F-013/00	

JP 2002318748 A 11 G06F-013/00

Abstract (Basic): JP 2002318748 A

NOVELTY - The system comprises hierarchical connection of a delivery server (3) and clients through a satellite network (2). A higher order hierarchy user's management server and a lower order hierarchy user's worker server are connected through internet (17). A delivery schedule is prepared and notified to the lower order hierarchy user's worker server, for delivering content to the customer through the management server.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Content delivery method;
- (2) Management server;
- (3) Worker server;
- (4) Content delivery program; and
- (5) Recorded medium storing content delivery program.

USE - For **distributing** delivery schedule of **content** information through internet, **satellite** networks.

ADVANTAGE - The management of delivery content is performed efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows the structure of the distribution system. (Drawing includes non-English language text).

Satellite network (2)

Delivery server (3)

Internet (17)

pp; 11 DwgNo 1/7

Title Terms: CONTENT; DISTRIBUTE; SYSTEM; HIGH; ORDER; HIERARCHY; USER; MANAGEMENT; SERVE; PREPARATION; DELIVER; SCHEDULE; CONTENT; NOTIFICATION; LOWER; ORDER; HIERARCHY; USER; WORK; SERVE; DELIVER; CONTENT

Derwent Class: T01

International Patent Class (Main): G06F-013/00

File Segment: EPI

15/5/12 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014751363 **Image available**

WPI Acc No: 2002-572067/200261

Related WPI Acc No: 1998-094106

XRPX Acc No: N02-453328

Multimedia information transmission system includes client server system which simultaneously stores and displays data stream of multimedia information received at higher bit rate from server

Patent Assignee: HITACHI LTD (HITA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002199368	A	20020712	JP 96133651	A	19960528	200261 B
			JP 2001331084	A	19960528	

Priority Applications (No Type Date): JP 96133651 A 19960528; JP 2001331084 A 19960528

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002199368	A	14	H04N-007/173	Div ex application JP 96133651

Abstract (Basic): JP 2002199368 A

NOVELTY - A multimedia server (2) retrieves and transmits the data stream of the multimedia information from a memory to the client server systems (CSS) (10,24) through a network (6). The CSS simultaneously displays and stores the data stream received at a higher bit rate.

USE - **Multimedia information transmission system using wide area network (WAN).**

ADVANTAGE - Scale of multimedia server, client server system server and a client are effectively reduced. The response with respect to requisition from the client of CSS is ensured.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the multimedia information transmission system. (Drawing includes non-English language text).

Multimedia server (2)

Network (6)

Client server system (10,24)

pp; 14 DwgNo 1/13

Title Terms: INFORMATION; TRANSMISSION; SYSTEM; CLIENT; SERVE; SYSTEM; SIMULTANEOUS; STORAGE; DISPLAY; DATA; STREAM; INFORMATION; RECEIVE; HIGH; BIT; RATE; SERVE

Derwent Class: T01; W02

International Patent Class (Main): H04N-007/173

International Patent Class (Additional): **G06F-013/00**

File Segment: EPI

15/5/13 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014594705 **Image available**

WPI Acc No: 2002-415409/200244

Related WPI Acc No: 2002-361976; 2002-415412

XRPX Acc No: N02-326784

Interactive advertising system for presenting TV ads to customers which automatically links interested customers to corresponding merchants using an identification

Patent Assignee: DIGEO INC (DIGE-N); STETTNER A P (STET-I)

Inventor: STETTNER A P

Number of Countries: 096 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200213506	A2	20020214	WO 2001US41105	A	20010621	200244 B
AU 200189144	A	20020218	AU 200189144	A	20010621	200244
US 20020104090	A1	20020801	US 2000224736	A	20000810	200253

Priority Applications (No Type Date): US 2000747424 A 20001221; US
2000224736 P 20000810

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200213506	A2	E	38	H04N-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200189144	A			H04N-000/00	Based on patent WO 200213506
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US 20020104090	A1			H04N-007/16	Provisional application US 2000224736
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Abstract (Basic): WO 200213506 A2

NOVELTY - A production company (104) produces programming content for transmission to viewers, which is sent over an up-link channel to a **satellite** (102), **transmitting** the **content** over a down-link channel to a local studio (106), where additional programming can be inserted. The combined content is then transmitted to a cable service provider (108), delivering it over a cable network (134) to subscribers. The service provider can also insert triggers, data to identify a merchant or merchant address into an ad signal.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a method of providing interactive advertising and for a machine readable medium with instructions.

USE - Responding to ads sent over interactive video casting system.

DESCRIPTION OF DRAWING(S) - The drawing shows the system

Production company (104)

Local studio (106)

Cable service provider (108)

Cable network (134)

pp; 38 DwgNo 1/6

Title Terms: INTERACT; ADVERTISE; SYSTEM; PRESENT; TELEVISION; CUSTOMER;
AUTOMATIC; LINK; CUSTOMER; CORRESPOND; MERCHANT; IDENTIFY

Derwent Class: W02; W05

International Patent Class (Main): H04N-000/00; H04N-007/16

International Patent Class (Additional): **G06F-003/00** ; **G06F-013/00** ;

H04H-009/00; H04N-005/445; H04N-007/10; H04N-007/173; H04N-007/25

File Segment: EPI

15/5/14 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014525995 **Image available**

WPI Acc No: 2002-346698/200238

XRPX Acc No: N02-273166

Content storage capacity calculation method for content distribution system, involves choosing particular storage device having minimum total content distribution cost, for distributing contents

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002063379	A	20020228	JP 2000247026	A	20000816	200238 B

Priority Applications (No Type Date): JP 2000247026 A 20000816

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002063379	A		5	G06F-017/60	

Abstract (Basic): JP 2002063379 A

NOVELTY - Content distribution probability for each storage device in information providing terminals, is computed, based on amount and frequency of usage of content from the storage devices. Total content distribution cost for devices is computed from individual device distribution cost, market price and depreciation period of information terminals. A storage device with minimum total distribution cost is chosen for distributing contents.

USE - For calculating storage capacity of storage devices in information providing terminals that store **contents distributed** through a **satellite**.

ADVANTAGE - Capacity of the storage device is optimized and implementation cost of the content distribution system is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of content storage capacity calculation process. (Drawing includes non-English language text).

pp; 5 DwgNo 7/7

Title Terms: CONTENT; STORAGE; CAPACITY; CALCULATE; METHOD; CONTENT; DISTRIBUTE; SYSTEM; CHOICE; STORAGE; DEVICE; MINIMUM; TOTAL; CONTENT; DISTRIBUTE; COST; DISTRIBUTE; CONTENT

Derwent Class: T01; W02

International Patent Class (Main): **G06F-017/60**

International Patent Class (Additional): H04H-001/00

File Segment: EPI

15/5/15 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014454127 **Image available**

WPI Acc No: 2002-274830/200232

XRPX Acc No: N02-214455

Information contents distribution system has control section which prohibits information content utilization, based on contents usage-right information

Patent Assignee: SEIKO EPSON CORP (SHIH)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001350862	A	20011221	JP 2000167561	A	20000605	200232 B

Priority Applications (No Type Date): JP 2000167561 A 20000605

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001350862	A		8	G06F-017/60	

Abstract (Basic): JP 2001350862 A

NOVELTY - A transmitting section transmits content information and content usage-rights information to the receiver sections simultaneously. A judgment section judges the contents usage possibility based on the usage-rights information from each receiver. A control section prohibits utilization of contents when usage-possibility is not judged.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for information contents distribution method.

USE - For **distributing** information **contents** to user through **satellite** communication network.

ADVANTAGE - Information is distributed efficiently and at improved speed. Serviceability is improved by distributing new information to the user without labor.

DESCRIPTION OF DRAWING(S) - The figure shows the relationship of information provider and user. (Drawing includes non-English language text).

pp; 8 DwgNo 1/4
Title Terms: INFORMATION; CONTENT; DISTRIBUTE; SYSTEM; CONTROL; SECTION;
PROHIBIT; INFORMATION; CONTENT; UTILISE; BASED; CONTENT; RIGHT;
INFORMATION
Derwent Class: W02
International Patent Class (Main): G06F-017/60
International Patent Class (Additional): G06F-001/00 ; G06F-013/00 ;
H04L-012/54; H04L-012/58
File Segment: EPI

15/5/16 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014425527 **Image available**
WPI Acc No: 2002-246230/200230
XRPX Acc No: N02-191009

**Contents distribution system has relay terminal to transmit data
extracted from data received at contents center, with respect to received
order for transmission to user terminal**

Patent Assignee: VICTOR CO OF JAPAN (VICO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001236394	A	20010831	JP 200045008	A	20000222	200230 B

Priority Applications (No Type Date): JP 200045008 A 20000222

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 2001236394 A 21 G06F-017/60

Abstract (Basic): JP 2001236394 A

NOVELTY - A contents center (13) forwards an order received from a user (10) terminal and the ID of a portable terminal to a relay terminal. The relay terminal transmits a desired data, that is extracted from the received data with respect to the ID of a portable terminal to user portable terminal. An account center (12) performs the account processing of the received data.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Contents delivery method;
- (b) Contents center;
- (c) Relay terminal;
- (d) User portable terminal

USE - **Contents distribution** system such as **music data transmission** system using communication **satellite** .

ADVANTAGE - Reduces delivery cost and simplifies circuit structure of contents center by eliminating need for data identification unit in contents center. Performs high speed processing of the contents data to reduce waiting time.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of contents distribution system. (Drawing includes non-English language text).

User (10)
Account center (12)
Contents center (13)

pp; 21 DwgNo 1/21

Title Terms: CONTENT; DISTRIBUTE; SYSTEM; RELAY; TERMINAL; TRANSMIT; DATA;
EXTRACT; DATA; RECEIVE; CONTENT; RESPECT; RECEIVE; ORDER; TRANSMISSION;
USER; TERMINAL

Derwent Class: T01; W02
International Patent Class (Main): G06F-017/60
International Patent Class (Additional): G06F-013/00 ; H04B-001/16;
H04H-001/00; H04H-001/02

File Segment: EPI

15/5/17 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014188765 **Image available**
WPI Acc No: 2002-009462/200201
XRPX Acc No: N02-007855

Audio signal processing method in wide area network, involves transmitting forward error correction information along with data signals in packet

Patent Assignee: NORTEL NETWORKS LTD (NELE)
Inventor: GUY K R; JAIN J R; JASUJA I V; JOHNSON M W; JUANDY A; LAM S S;
LEE A Y; MISUNAS D; ROTH J A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6298057	B1	20011002	US 96634927	A	19960419	200201 B

Priority Applications (No Type Date): US 96634927 A 19960419
Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6298057	B1	20	H04L-012/28	

Abstract (Basic): US 6298057 B1

NOVELTY - An audio signal is converted into a data signal which is then framed into several packets. A forward error correction information (704) which consists of partial audio data corresponding to previously transmitted packets, is provided along with the data signal in the packets.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the audio signal processing system.

USE - For **transmitting audio signal across wide area network (WAN)**.

ADVANTAGE - By using the forward error correction technique, the lost and delayed signals can be easily recreated. Utilizes router/switch priority system to minimize the end-to-end packet delay across WAN. Easily adjusts the destination signal based on the packet delay variations. Communication with a router/switch over a LAN connection is made without using a specialized router/switch voice interface.

DESCRIPTION OF DRAWING(S) - The figure shows the forward error correction process with the voice packets.

Forward error correction information (704)
pp; 20 DwgNo 7/8

Title Terms: AUDIO; SIGNAL; PROCESS; METHOD; WIDE; AREA; NETWORK; TRANSMIT; FORWARD; ERROR; CORRECT; INFORMATION; DATA; SIGNAL; PACKET

Derwent Class: T01; W01; W02

International Patent Class (Main): H04L-012/28

International Patent Class (Additional): G06F-011/00 ; H04J-003/16

File Segment: EPI

15/5/18 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014066578 **Image available**
WPI Acc No: 2001-550791/200162
XRPX Acc No: N01-409166

Access regulation method of content producer's server in internet, involves changing initial uniform resource locators stored in server of content distributor based on requirement

Patent Assignee: IBM CORP (IBMC)
Inventor: DUTTA R
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
DE 10052313 A1 20010628 DE 1052313 A 20001021 200162 B

Priority Applications (No Type Date): US 99434855 A 19991104

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
DE 10052313 A1 23 G06F-017/30

Abstract (Basic): DE 10052313 A1

NOVELTY - Initial uniform resource locators (URLs) are stored in the server of content distributor. The stored initial URLs are changed based on requirement, for every predefined time period determined by content producer.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Access regulation system for content producer's server;

(b) Recording medium storing access regulation program

USE - For access regulation of content producer's server through **content distributor** in internet, intranet, **wide area network** (WAN), local area network (LAN) for providing commercial internet services, educational services, administrative services.

ADVANTAGE - Avoids copying of web pages of the content producer by content distributor and allows selection of content distributors by content producers, as initial URLs can be changed based on requirement.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining access regulation process of content producer's server. (Drawing includes non-English language text).

pp; 23 DwgNo 4C/6

Title Terms: ACCESS; REGULATE; METHOD; CONTENT; PRODUCE; SERVE; CHANGE; INITIAL; UNIFORM; RESOURCE; LOCATE; STORAGE; SERVE; CONTENT; DISTRIBUTE; BASED; REQUIRE

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): **G06F-003/00**

File Segment: EPI

15/5/19 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014045110 **Image available**

WPI Acc No: 2001-529323/200158

XRPX Acc No: N01-392873

Data transmission system for multi-casting satellite based multimedia communication network, determines transmission timing based on set time limit and communication data, to forward data to optimal circuit

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUSHITA DENKI SANGYO KK (MATU); KOKADO T (KOKA-I); YOKOTA H (YOKO-I)

Inventor: KOKADO T; YOKOTA H

Number of Countries: 028 Number of Patents: 003

Patent Family:

Patent No Kind Date Applicat No Kind Date Week
US 20010018713 A1 20010830 US 2001781153 A 20010213 200158 B
JP 2001306435 A 20011102 JP 200136204 A 20010213 200205
EP 1233348 A1 20020821 EP 2001103577 A 20010220 200262 N

Priority Applications (No Type Date): JP 200034688 A 20000214; EP 2001103577 A 20010220

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 US 20010018713 A1 49 G06F-015/16
 JP 2001306435 A 38 G06F-013/00
 EP 1233348 A1 E G06F-017/30
 Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
 LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): US 20010018713 A1

NOVELTY - A content reservation request indicating time limit is output when the content data is ready for transmission in data circuit terminating equipment (DCE). The server sends the data to optimal communication circuit according to the transmission timing determined by the scheduling unit on the basis of both the set time limit and the predetermined communication information.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for data transmission method.

USE - For transmission timing control in multi-casting satellite based multimedia communication network using Internet.

ADVANTAGE - The efficient use of transmission bandwidth and low cost data downloading are achieved by multi-casting procedure. The recording area of the contents are efficiently used, as no unwanted data is stored.

DESCRIPTION OF DRAWING(S) - The figure shows the first half of sequence chart of communication procedure.

pp; 49 DwgNo 9/34

Title Terms: DATA; TRANSMISSION; SYSTEM; MULTI; CAST; SATELLITE; BASED; COMMUNICATE; NETWORK; DETERMINE; TRANSMISSION; TIME; BASED; SET; TIME; LIMIT; COMMUNICATE; DATA; FORWARD; DATA; OPTIMUM; CIRCUIT

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00 ; G06F-015/16 ; G06F-017/30

International Patent Class (Additional): H04L-012/56; H04L-012/58; H04L-029/06; H04N-007/173

File Segment: EPI

15/5/20 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014039672 **Image available**

WPI Acc No: 2001-523885/200158

XRPX Acc No: N01-388325

System for local management and selection of multimedia files transmitted via a satellite or other system so that local tastes and requirements can be programmed in and files selected automatically according to these criteria

Patent Assignee: TELEVISION FR 1 (TELE-N); SOC TELEVISION FR 1 SA (TELE-N)

Inventor: CREMER E; FORSANS O; GARDY R; MARFAING P

Number of Countries: 025 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1065608	A1	20010103	EP 2000401859	A	20000629	200158 B
FR 2795834	A1	20010105	FR 998491	A	19990701	200158

Priority Applications (No Type Date): FR 998491 A 19990701

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1065608 A1 F 8 G06F-017/30

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

FR 2795834 A1 G06F-007/06

Abstract (Basic): EP 1065608 A1

NOVELTY - Digital data files are transmitted including

identification parameters and management parameters defining the particular distribution conditions and which can be compared locally to a set or selection criteria so that the transmitted programs that match a the local selection criteria are automatically stored the local site memory with the corresponding identification and management parameters.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is made for a management system for digital data files containing audio-visual and other multi-media programs.

USE - Management and distribution of digitally stored entertainment programs for distribution by hotel chains, for use in pay per view, for network channels, etc.

ADVANTAGE - The arrangement allows local selection of the desired type of entertainment rather than a centrally controlled distribution of digital data files.

DESCRIPTION OF DRAWING(S) - Figure shows a typical list of categories of entertainment programs.

pp; 8 DwgNo 2/2

Title Terms: SYSTEM; LOCAL; MANAGEMENT; SELECT; FILE; TRANSMIT; SATELLITE; SYSTEM; SO; LOCAL; TASTE; REQUIRE; CAN; PROGRAM; FILE; SELECT; AUTOMATIC; ACCORD; CRITERIA

Derwent Class: T01; W02

International Patent Class (Main): G06F-007/06 ; G06F-017/30

File Segment: EPI

15/5/21 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014031649 **Image available**

WPI Acc No: 2001-515861/200157

XRPX Acc No: N01-382116

Semiconductor memory unit has IC card insertion unit with mode setter controlling operation

Patent Assignee: SONY CORP (SONY)

Inventor: IMURA S

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1085516	A2	20010321	EP 2000308053	A	20000915	200157 B
JP 2001092927	A	20010406	JP 99265448	A	19990920	200157
CN 1293408	A	20010502	CN 2000128507	A	20000920	200157

Priority Applications (No Type Date): JP 99265448 A 19990920

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1085516	A2	E	22	G11C-007/16	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2001092927	A	15	G06K-017/00
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CN 1293408	A	G06F-013/00
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Abstract (Basic): EP 1085516 A2

NOVELTY - Memory is a card with a non-volatile semiconductor memory, data input-output controller and external interface. It has an IC card insertion unit and mode setter for the card. Data can be switched between external equipment and the card using a selector according to the mode setter, which also determines power supply to the card. Resetting or running of the card is controlled according to the mode setter.

DETAILED DESCRIPTION - There is an INDEPENDENT CLAIM for an operation setting method for a semiconductor memory.

USE - Memory is for storing e.g. **music** , **games** etc. data **distributed** via the Internet, **satellite** or cellular telephone

ADVANTAGE - Memory is more secure and is compatible with existing

memory cards.

DESCRIPTION OF DRAWING(S) - The figure shows a memory stick which a SIM can be inserted into or removed from.

pp; 22 DwgNo 7/10

Title Terms: SEMICONDUCTOR; MEMORY; UNIT; IC; CARD; INSERT; UNIT; MODE; SET ; CONTROL; OPERATE

Derwent Class: T04; U14

International Patent Class (Main): G06F-013/00 ; G06K-017/00; G11C-007/16

File Segment: EPI

15/5/22 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013915875 **Image available**

WPI Acc No: 2001-400088/200143

XRPX Acc No: N01-294961

Interactive multimedia data installing for satellite transmission of video audio information etc.; by operating user interface for accessing management station for sending such data as identification and order

Patent Assignee: CARSAT (CARS-N); CARSAT SA (CARS-N)

Inventor: DUMAS-PILHOU C; DUMAS P C

Number of Countries: 095 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2795844	A1	20010105	FR 998573	A	19990702	200143 B
AU 200062892	A	20010122	AU 200062892	A	20000629	200143
WO 200103025	A1	20010111	WO 2000FR1830	A	20000629	200143
EP 1125230	A1	20010822	EP 2000949579	A	20000629	200149
			WO 2000FR1830	A	20000629	

Priority Applications (No Type Date): FR 998573 A 19990702

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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FR 2795844	A1	44	G06F-017/60	
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AU 200062892	A		G06F-017/60	Based on patent WO 200103025
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WO 200103025	A1 F		G06F-017/60	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

EP 1125230	A1 F		G06F-017/60	Based on patent WO 200103025
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL RO SI

Abstract (Basic): FR 2795844 A1

NOVELTY - A high-speed link is used for transmission of a digital primary data, video, audio and information, which are inserted dynamically into a variable data stream. The up-link is a smaller capacity connection. Every user (2) uses an interface for accessing to the management station (1) by sending such data as identification and an order. The management station (1) may selectively modify the variable data according to the order at which it has been received.

USE - For facilitating the bi-directional exchange of data between a management station and distributed users.

ADVANTAGE - Permits real time work using very short answer time of a satellite system providing high speed for transmission of digital primary data, audio, video and informational.

DESCRIPTION OF DRAWING(S) - The drawing shows a preferred embodiment of the present invention. (The drawing includes non-English language text)

management station (1)

user (2)
pp; 44 DwgNo 1/11
Title Terms: INTERACT; DATA; INSTALLATION; SATELLITE; TRANSMISSION; VIDEO;
AUDIO; INFORMATION; OPERATE; USER; INTERFACE; ACCESS; MANAGEMENT; STATION
; SEND; DATA; IDENTIFY; ORDER
Derwent Class: T01; W01; W02
International Patent Class (Main): G06F-017/60
International Patent Class (Additional): H04M-011/00
File Segment: EPI

15/5/23 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013898859 **Image available**
WPI Acc No: 2001-383072/200141
XRPX Acc No: N01-281013

**Electronic music distribution (EMD) and encryption processing
system-using usage control status, purchase and usage history for
generating accounting price and information**

Patent Assignee: SONY CORP (SONY)
Inventor: MUTO A; OISHI T; SHIRAI T
Number of Countries: 025 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1067469	A2	20010110	EP 2000114674	A	20000707	200141 B

Priority Applications (No Type Date): JP 99192613 A 19990707

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1067469	A2	E		G06F-017/60	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1067469 A2

NOVELTY - Memory stored encrypted information contains usage control policy (UCP) giving purchased right of utilizing music data e.g. single or album and corresponding price tag (PT) information. Generated usage control status (UCS) includes purchase and usage history information based on UCP and PT, which on return visits is used to process accounting price and information that contains various full or limited purchase tariff packages .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) Information processing method
- (2) Distribution medium using a computer-readable program

USE - Electronic **music distribution** through Internet, **satellite** and cable networks including magnetic disk, CD-ROM and solid state memory recording medium.

ADVANTAGE - Allows purchase price packages and accounting information to be based upon usage and purchase history.

DESCRIPTION OF DRAWING(S) - Electronic music distribution system containing information processing apparatus.

DwgNo 1/27

Title Terms: ELECTRONIC; MUSIC; DISTRIBUTE; ENCRYPTION; PROCESS; SYSTEM;
CONTROL; STATUS; PURCHASE; HISTORY; GENERATE; ACCOUNT; PRICE; INFORMATION
Derwent Class: T01; T05; W02
International Patent Class (Main): G06F-017/60
File Segment: EPI

15/5/24 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013887993 **Image available**

WPI Acc No: 2001-372206/200139

XRPX Acc No: N01-272287

Multimedia information terminal calculates and displays download completion time of multimedia content from server based on communication velocity and size of multimedia content

Patent Assignee: CANON KK (CANO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001111630	A	20010420	JP 99290273	A	19991012	200139 B

Priority Applications (No Type Date): JP 99290273 A 19991012

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001111630	A		6 H04L-013/18	

Abstract (Basic): JP 2001111630 A

NOVELTY - An acquisition unit acquires the size of the multimedia content to be downloaded from a multimedia content server (2). A measurement unit detects the communication velocity between the information terminal (1) and server. Download completion time is detected based on the communication velocity and size of multimedia content. A warning unit displays the calculated time on the display (130).

USE - For **transmitting multimedia content** from server through LAN, WAN, ATM, FDDI interface, ISDN, wireless LAN, etc.

ADVANTAGE - Download completion time of multimedia content is alerted to the user.

DESCRIPTION OF DRAWING(S) - The figure shows the information terminal and multimedia content server. (Drawing includes non-English language text).

Information terminal (1)
Multimedia content server (2)
Display (130)
pp; 6 DwgNo 1/5

Title Terms: INFORMATION; TERMINAL; CALCULATE; DISPLAY; COMPLETE; TIME; CONTENT; SERVE; BASED; COMMUNICATE; VELOCITY; SIZE; CONTENT

Derwent Class: T01; W01

International Patent Class (Main): H04L-013/18

International Patent Class (Additional): **G06F-013/00**

File Segment: EPI

15/5/25 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

013871850 **Image available**

WPI Acc No: 2001-356062/200137

Related WPI Acc No: 2001-389906; 2002-339172; 2002-339185; 2002-546618; 2003-512531; 2003-606495

XRPX Acc No: N01-258696

User device for use in a traffic management system for content distribution over a world wide area network in which a customer pays for the provided services

Patent Assignee: SPEEDERA NETWORKS INC (SPEE-N); DAY R D (DAYR-I); GUPTA A K (GUPT-I); SWILDENS E S (SWIL-I)

Inventor: DAY R D; GUPTA A K; SWILDENS E S; GUPTA A

Number of Countries: 094 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200139000	A1	20010531	WO 2000US32306	A	20001121	200137 B
AU 200118007	A	20010604	AU 200118007	A	20001121	200153

US 20020152309 A1 20021017 US 99166906 P 19991122 200270
US 2000644927 A 20000823
US 2002141194 A 20020507
US 6484143 B1 20021119 US 99166906 P 19991122 200280
US 2000641746 A 20000818

Priority Applications (No Type Date): US 2000641746 A 20000818; US 99166906
P 19991122; US 2000640886 A 20000818; US 2000644927 A 20000823; US
2002141194 A 20020507

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200139000 A1 E 49 G06F-015/16

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200118007 A G06F-015/16 Based on patent WO 200139000

US 20020152309 A1 G06F-015/173 Provisional application US 99166906

Div ex application US 2000644927

Div ex patent US 6405252

US 6484143 B1 G06F-017/60 Provisional application US 99166906

Abstract (Basic): WO 200139000 A1

NOVELTY - Customer origination sites (107,109) will benefit from
shared load balancing and traffic management and a local distributed
network server (113) queries a traffic management system (105) for name
resolutions of customer web sites and receives a response specifying
the server best suited to handle a request and to receive a home page
(131). The web site of the customer is then upgraded and the customer
pays only for the services provided.

DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a
service method for traffic management and content distribution using a
world wide network.

USE - Traffic management and content distribution over a world wide
network.

ADVANTAGE - Improved transfer of information.

DESCRIPTION OF DRAWING(S) - The drawing is a simplified system
diagram

Customer sites (107,109)
Distributed network server (113)
Traffic management system (105)
Home page (131)
pp; 49 DwgNo 1/6

Title Terms: USER; DEVICE; TRAFFIC; MANAGEMENT; SYSTEM; CONTENT; DISTRIBUTE
; WORLD; WIDE; AREA; NETWORK; CUSTOMER; PAY; SERVICE

Derwent Class: T01

International Patent Class (Main): G06F-015/16 ; G06F-015/173 ;
G06F-017/60

International Patent Class (Additional): G06F-013/14 ; G06F-013/20

File Segment: EPI

15/5/26 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013646006 **Image available**

WPI Acc No: 2001-130215/200114

XRPX Acc No: N01-096335

Digital content management device for digital content distribution
apparatus has capsule generating unit which produces enciphered contents
and capsule containing key information for encryption

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000347566	A	20001215	JP 99161705	A	19990608	200114 B

Priority Applications (No Type Date): JP 99161705 A 19990608

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000347566	A		9 G09C-001/00	

Abstract (Basic): JP 2000347566 A

NOVELTY - A content server terminal (1) includes a content encapsulation unit (2) which performs the encryption of the predetermined contents using a content key. A key information generator produces a key information by converting the content key for encryption. A capsule generating unit produces the enciphered contents and a capsule containing the key information, from the enciphered content and produced key information.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a content user terminal;

(b) and a recording medium which stores a predetermined program.

USE - For digital content distribution apparatus connected to a wide area network.

ADVANTAGE - Ensures safe **distribution** of digital **contents** through **wide area network** e.g. internet. Enables reduction of management load of user since only one capsule and key for conversion are maintained. Prevents unauthorized person from utilizing digital contents since only the user know the key for conversion to decode the encrypted contents. Attains reduction of labor of marker since only the key for conversion is maintained.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of digital content distribution apparatus.

Content server terminal (1)

Content encapsulation unit (2)

pp; 9 DwgNo 1/11

Title Terms: DIGITAL; CONTENT; MANAGEMENT; DEVICE; DIGITAL; CONTENT;

DISTRIBUTE; APPARATUS; CAPSULE; GENERATE; UNIT; PRODUCE; ENCIPHER;

CONTENT; CAPSULE; CONTAIN; KEY; INFORMATION; ENCRYPTION

Derwent Class: P85; T01; W01

International Patent Class (Main): G09C-001/00

International Patent Class (Additional): **G06F-012/14 ; G06F-015/00 ;**
H04L-009/08

File Segment: EPI; EngPI

15/5/27 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013522313 **Image available**

WPI Acc No: 2001-006519/200101

XRPX Acc No: N01-004670

Content tagging system for satellite based data distribution , has content provider module to generate content tagging instruction which is passed to clients by a data distribution system

Patent Assignee: CYBERSTAR LP (CYBE-N)

Inventor: BARKER K R; RAFTER M T

Number of Countries: 086 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200049512	A1	20000824	WO 2000US2316	A	20000128	200101 B
AU 200032185	A	20000904	AU 200032185	A	20000128	200103

Priority Applications (No Type Date): US 99249891 A 19990216

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200049512 A1 E 9 G06F-015/16

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200032185 A G06F-015/16 Based on patent WO 200049512

Abstract (Basic): WO 200049512 A1

NOVELTY - The content provider module of computer (34) generates content tagging instructions, which is transmitted to client personal computers by data distribution system. The clients receive the content upon receipt of transmitted content.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for content tagging method.

USE - For satellite based data distribution system.

ADVANTAGE - The data is conveyed reliably to client computer by the distribution system.

DESCRIPTION OF DRAWING(S) - The figure shows the content tagging system.

Computer (34)

pp; 9 DwgNo 2/3

Title Terms: CONTENT; TAG; SYSTEM; SATELLITE; BASED; DATA; DISTRIBUTE;
CONTENT; MODULE; GENERATE; CONTENT; TAG; INSTRUCTION; PASS; CLIENT; DATA;
DISTRIBUTE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

15/5/28 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012662770 **Image available**

WPI Acc No: 1999-468875/199939

XRPX Acc No: N99-350122

Video and audio distribution scheduling

Patent Assignee: STREAMGATE INC (STRE-N)

Inventor: HODGE W W

Number of Countries: 083 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9935660	A1	19990715	WO 99US501	A	19990108	199939 B
AU 9922193	A	19990726	AU 9922193	A	19990108	199952

Priority Applications (No Type Date): US 9872004 P 19980121; US 9870739 P 19980108

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9935660 A1 E 30 H01J-013/00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9922193 A H01J-013/00 Based on patent WO 9935660

Abstract (Basic): WO 9935660 A1

NOVELTY - Method consists in creating streams of video data

corresponding to a frame, a subgroup having a viewing sequence subgroup with a time offset from the other streams. The users are associated with a stream enabling them to receive it. One of the frame variation subgroups is adjusted differently to the others.

DETAILED DESCRIPTION - There is an INDEPENDENT CLAIM for a system for distributing data to multiple users.

USE - Method is for sharing video or **audio** streams **distributed** via a **LAN** or a WAN such as the Internet, or using cable video systems.

ADVANTAGE - Method maximizes the number of users who can share a common communication pathway, while enabling them to have video motion control without interruption of the video program material viewed by the other users sharing the video information stream.

DESCRIPTION OF DRAWING(S) - The drawing shows a simplified block diagram of a multisession video on demand architecture.

pp; 30 DwgNo 2/9

Title Terms: VIDEO; AUDIO; DISTRIBUTE; SCHEDULE

Derwent Class: T01; W01; W02

International Patent Class (Main): H01J-013/00

International Patent Class (Additional): **G06F-013/00** ; H04N-007/173

File Segment: EPI

15/5/29 (Item 21 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012488483 **Image available**

WPI Acc No: 1999-294591/199925

XRPX Acc No: N99-221168

Multimedia communication control system for client-server system - transmits multimedia information to client from server, based on received user activity information of client, in compressed mode

Patent Assignee: TOSHIBA KK (TOKE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11098174	A	19990409	JP 97255734	A	19970919	199925 B

Priority Applications (No Type Date): JP 97255734 A 19970919

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11098174	A	15	H04L-012/54	

Abstract (Basic): JP 11098174 A

NOVELTY - A measurement unit decides the user activity information and stores it in a memory. A client communication control unit (28) transmits the stored user activity information to a server which transmits the multimedia information to the client system (20) based on the received user activity information, in compressed mode. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for multimedia communication control method.

USE - For **multimedia** information **transmission** in e.g. **LAN** of public telecommunication network.

ADVANTAGE - Improves capability of transmitting bandwidth, by reducing the amount of data transmitted from the server. Data flow control between different client programs is made possible. DESCRIPTION OF DRAWING(S) - The drawing shows block diagram of client system. (20) Client system; (28) communication control unit.

Dwg.2/10

Title Terms: COMMUNICATE; CONTROL; SYSTEM; CLIENT; SERVE; SYSTEM; TRANSMIT; INFORMATION; CLIENT; SERVE; BASED; RECEIVE; USER; ACTIVE; INFORMATION; CLIENT; COMPRESS; MODE

Derwent Class: T01; W01; W02

International Patent Class (Main): H04L-012/54

International Patent Class (Additional): G06F-013/00 ; H04L-012/58;
H04N-007/173
File Segment: EPI

15/5/30 (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012309930 **Image available**
WPI Acc No: 1999-116036/199910
XRPX Acc No: N99-085625

LAN based connection establishment system for karaoke communication system - has server which on receiving music data incorporation demand from commanders via LAN , performs batch transmission of music data incorporation demands to centre host via public circuit

Patent Assignee: RICOH KK (RICO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10340094	A	19981222	JP 97165222	A	19970606	199910 B

Priority Applications (No Type Date): JP 97165222 A 19970606

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10340094	A	7	G10K-015/04	

Abstract (Basic): JP 10340094 A

NOVELTY - On receiving music data incorporation demand from commanders (cdl-cdn) connected to a server (4) via a LAN (5), the music data incorporation demand are collected into batches and are transmitted to a centre host (2) via a public circuit (3). In response, the centre host transmits the demanded music data to the respective commanders via the server.

USE - For karaoke communication system.

ADVANTAGE - As music selection is possible using individual data, a favourable and inexpensive system is offered. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the karaoke system. (2) Center host; (3) Public circuit; (4) Server; (5) LAN; (cdl-cdn) Commanders.

Dwg.1/1

Title Terms: LAN; BASED; CONNECT; ESTABLISH; SYSTEM; KARAOKE; COMMUNICATE; SYSTEM; SERVE; RECEIVE; MUSIC; DATA; INCORPORATE; DEMAND; LAN; PERFORMANCE; BATCH; TRANSMISSION; MUSIC; DATA; INCORPORATE; DEMAND; CENTRE; HOST; PUBLIC; CIRCUIT

Derwent Class: P86; T01; W01

International Patent Class (Main): G10K-015/04

International Patent Class (Additional): G06F-013/00 ; H04L-012/40

File Segment: EPI; EngPI

15/5/31 (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

012228374 **Image available**
WPI Acc No: 1999-034481/199903
XRPX Acc No: N99-025825

Multimedia message distribution method for LAN - involves indicating existence of envelope information and outgoing message in waiting indicator, based on which information retrieval from output unit is carried out

Patent Assignee: CENTIGRAM COMMUNICATIONS CORP (CENT-N)
Inventor: IRRIBARREN R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5841966	A	19981124	US 96627590	A	19960404	199903 B

Priority Applications (No Type Date): US 96627590 A 19960404

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5841966	A	7	G06F-013/14	

Abstract (Basic): US 5841966 A

The method involves initiating a message transmission from a calling party using a calling computer terminal. When the initiation fails, greeting message associated with the called computer terminal is generated. The outgoing message consisting of an audio or audio visual message sent to each of called party is recorded. The message is stored in an output unit associated with the calling computer terminal. An envelope information which includes identification data for indicating calling party message is generated and is stored.

The envelope is associated with the message waiting indicator which indicates the presence of the envelope information and the outgoing message in the output unit. During retrieval of envelope information from the output unit, the indicated message is utilised. The message waiting indicator is activated by the called computer terminal when the called computer terminal is enabled to receive messages. The envelope information is retrieved to each of the called computer terminal by activating the message waiting indicator. The envelope information retrieved is displayed on each called computer terminal. The retrieved outgoing messages are played back on each of the called computer terminal.

USE - For real time telephone, multimedia applications.

ADVANTAGE - Facilitates provision of audio or visual explanatory message along with transmission message to calling party. Provides increased awareness of complete messaging integration.

Dwg.3/3

Title Terms: MESSAGE; DISTRIBUTE; METHOD; LAN; INDICATE; EXIST; ENVELOPE; INFORMATION; OUTGOING; MESSAGE; WAIT; INDICATE; BASED; INFORMATION; RETRIEVAL; OUTPUT; UNIT; CARRY

Derwent Class: T01

International Patent Class (Main): G06F-013/14

File Segment: EPI

15/5/32 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011681309 **Image available**

WPI Acc No: 1998-098218/199809

XRPX Acc No: N98-079118

Electronic mail transmission system employing audio mail transmission function in LAN - in which electronic mail corresponding to registered user address is converted into audio signal based on comparison of login address, which is then transmitted to user terminal

Patent Assignee: NIPPON DENKI IDO TSUSHIN KK (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9326863	A	19971216	JP 96165142	A	19960606	199809 B

Priority Applications (No Type Date): JP 96165142 A 19960606

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9326863	A	8	H04M-003/42	

Abstract (Basic): JP 9326863 A

The system includes an audio mail server (105) provided in a LAN

(101), which is connected to an user telephone terminal (113) through a telephone network (112). The predetermined login address for every user is registered in a memory along with the corresponding electronic mail message. When the login address is received by the push button operation of the user telephone terminal, the received login address is compared with the predetermined login address.

Based on the comparison result, the electronic mail message corresponding to that address is converted into the audio signal by the mail server. The converted audio signal is then transmitted to the user terminal through the network.

ADVANTAGE - Enables securable electronic mail transmission.
Performs reliable electronic mail transmission.

Dwg.1/4

Title Terms: ELECTRONIC; MAIL; TRANSMISSION; SYSTEM; EMPLOY; AUDIO; MAIL; TRANSMISSION; FUNCTION; LAN; ELECTRONIC; MAIL; CORRESPOND; REGISTER; USER; ADDRESS; CONVERT; AUDIO; SIGNAL; BASED; COMPARE; ADDRESS; TRANSMIT; USER; TERMINAL

Derwent Class: T01; W01; W04

International Patent Class (Main): H04M-003/42

International Patent Class (Additional): G06F-013/00 ; H04L-012/54; H04L-012/58; H04M-003/50; H04M-011/00

File Segment: EPI

15/5/33 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011348705 **Image available**

WPI Acc No: 1997-326611/199730

XRPX Acc No: N97-270744

Electronic mail transmitting and recording system using LAN - has first or third conversion through which host transfer mail based on kind of terminal through which it is sent or received

Patent Assignee: FUJITSU LTD (FUIT)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9130425	A	19970516	JP 95288225	A	19951107	199730 B

Priority Applications (No Type Date): JP 95288225 A 19951107

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9130425	A	8	H04L-012/54	

Abstract (Basic): JP 9130425 A

The system includes an E-mail host appts (4) to which a set of converters are connected. A first converter (42) converts an input audio signal to a character signal. Another converter (43) converts an input character signal to an audio signal.

A third converter (44) converts a Chinese character mixed with Japanese syllabary to one mixed with katakana. Based on the kind of terminal through which the mail is sent and received, the host transfers a mail through the first or the third converter.

ADVANTAGE - Provides wide range E-mail service. Enables real time transfer of E-mail even when no PC is used.

Dwg.1/13

Title Terms: ELECTRONIC; MAIL; TRANSMIT; RECORD; SYSTEM; LAN; FIRST; THIRD; CONVERT; THROUGH; HOST; TRANSFER; MAIL; BASED; KIND; TERMINAL; THROUGH; SEND; RECEIVE

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/54

International Patent Class (Additional): G06F-013/00 ; G06F-017/21 ; H04L-012/58; H04M-003/42

File Segment: EPI

15/5/34 (Item 26 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010413916 **Image available**
WPI Acc No: 1995-315230/199541
XRPX Acc No: N95-238175

Transmission data receiver for multimedia data transmitted using e.g. satellite, cable etc. - controls memory in data receiver storing decoded data based on data recognition information, and iteration of data in memory NoAbstract

Patent Assignee: SONY CORP (SONY)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7212355	A	19950811	JP 944535	A	19940120	199541 B

Priority Applications (No Type Date): JP 944535 A 19940120

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7212355	A		7	H04L-009/06	

Title Terms: TRANSMISSION; DATA; RECEIVE; DATA; TRANSMIT; SATELLITE; CABLE; CONTROL; MEMORY; DATA; RECEIVE; STORAGE; DECODE; DATA; BASED; DATA; RECOGNISE; INFORMATION; ITERATIVE; DATA; MEMORY; NOABSTRACT

Derwent Class: T01; W01; W02

International Patent Class (Main): H04L-009/06

International Patent Class (Additional): G06F-013/00 ; H04B-007/155; H04K-001/00; H04L-009/14

File Segment: EPI

15/5/35 (Item 27 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010211435 **Image available**
WPI Acc No: 1995-112689/199515
XRPX Acc No: N95-088815

Subscriber server type facsimile apparatus - incorporates memory which carries out data storage in file format form being specified before hand from subscriber terminal on LAN

Patent Assignee: CANON KK (CANO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7038603	A	19950207	JP 93183054	A	19930723	199515 B

Priority Applications (No Type Date): JP 93183054 A 19930723

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7038603	A		11	H04L-012/54	

Abstract (Basic): JP 7038603 A

The facsimile apparatus has a subscriber terminal connected to a LAN (1). The subscriber server apparatus is connected with the facsimile apparatus through ISDN network (4) and public transmission circuit network. The analysis device analyses the service request command of a subscriber terminal. A users specification on LAN is specified at the time of a facsimile reception.

The memory carries out data storage in a file format form, which is already specified by subscriber terminal. The terminal confirms that it received from the specified facsimile member, and reply file specified beforehand is transmitted to specified facsimile number. The user can

check that sending is carried out.

USE/ADVANTAGE - For use in personnel computer connected to **LAN** and **work** station. Checks **sending** to user who is specified.

Dwg.1/7

Title Terms: SUBSCRIBER; SERVE; TYPE; FACSIMILE; APPARATUS; INCORPORATE; MEMORY; CARRY; DATA; STORAGE; FILE; FORMAT; FORM; SPECIFIED; HAND; SUBSCRIBER; TERMINAL; LAN

Derwent Class: T01; W01; W02

International Patent Class (Main): H04L-012/54

International Patent Class (Additional): **G06F-013/00** ; H04L-012/58; H04N-001/00

File Segment: EPI

15/5/36 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009858626 **Image available**

WPI Acc No: 1994-138483/199417

XRPX Acc No: N94-108774

CPU bus for multimedia trunk line LAN transmission device - comprises packet exchanging CPU bus using internationally standardised general use bus and circuit exchanging CPU bus NoAbstract

Patent Assignee: MEIDENSHA CORP (MEID)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6083729	A	19940325	JP 9248932	A	19920306	199417 B

Priority Applications (No Type Date): JP 9248932 A 19920306

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 6083729	A	7	G06F-013/00	

Abstract (Basic): JP 6083729 A

Dwg.1/5

Title Terms: CPU; BUS; TRUNK; LINE; LAN; TRANSMISSION; DEVICE; COMPRISE; PACKET; EXCHANGE; CPU; BUS; STANDARD; GENERAL; BUS; CIRCUIT; EXCHANGE; CPU; BUS; NOABSTRACT

Derwent Class: T01; W01

International Patent Class (Additional): **G06F-013/36** ; H04L-012/40

File Segment: EPI

15/5/37 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009838096 **Image available**

WPI Acc No: 1994-117952/199414

Related WPI Acc No: 1990-331116

XRPX Acc No: N94-092454

Dead lock preventing method for data base system e.g. bank transactions, securities exchange and medical examination - involves registering file lock reservation request in file lock transaction list when file lock reservation request is permitted

Patent Assignee: TOSHIBA KK (TOKE)

Inventor: KOTAKI K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5303368	A	19940412	US 90486352	A	19900228	199414 B

Priority Applications (No Type Date): JP 8947204 A 19890228

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 5303368 A 18 G06F-012/00

Abstract (Basic): US 5303368 A

The dead lock preventing method includes a list judgement step of giving, when the arithmetic control unit accepts the lock request after a certain work station outputs a lock reservation request from a certain transaction, a lock permission or a lock inhibition to the certain transaction in accordance with whether another transaction is registered in the file lock transaction list and the file lock reservation list.

When it is judged in the list judgement step that another transaction is registered not in the lock transaction list but in the file lock reservation list, transaction aggregations are obtained from the file lock reservation list and the file lock transaction list. A sequential check whether the transaction aggregation of the file lock transaction list is a zero aggregation is carried out, thereby giving a lock permission or a lock inhibition to the certain transaction.

ADVANTAGE - Reliably prevents dead lock that may be caused when data base employed at **work** station arranged on **transmission** route of **LAN** is accessed arbitrary work station.

Dwg.5/10

Title Terms: DEAD; LOCK; PREVENT; METHOD; DATA; BASE; SYSTEM; BANK; TRANSACTION; SECURE; EXCHANGE; MEDICAL; EXAMINATION; REGISTER; FILE; LOCK; RESERVE; REQUEST; FILE; LOCK; TRANSACTION; LIST; FILE; LOCK; RESERVE; REQUEST; PERMIT

Derwent Class: T01

International Patent Class (Main): G06F-012/00

File Segment: EPI

15/5/38 {Item 30 from file: 350}

DIALOG(R)File 350:Derwent WPIX

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007797392

WPI Acc No: 1989-062504/198909

XRPX Acc No: N89-047706

Synchronising circuit for digital satellite audio transmission - uses frequency divider and flip-flop system to produce two pulse length shifted signals

Patent Assignee: DEUT THOMSON-BRANDT GMBH (THOH)

Inventor: LAABS J; ROTTMANN D; ROTTMAN D

Number of Countries: 014 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 304814	A	19890301	EP 88113487	A	19880819	198909 B
DE 3728781	A	19890309	DE 3728781	A	19870828	198911
JP 1071353	A	19890316	JP 88210865	A	19880826	198917
EP 304814	B1	19931027	EP 88113487	A	19880819	199343
DE 3885205	G	19931202	DE 3885205	A	19880819	199349
			EP 88113487	A	19880819	
ES 2046259	T3	19940201	EP 88113487	A	19880819	199409

Priority Applications (No Type Date): DE 3728781 A 19870828

Cited Patents: A3...9033; GB 1069538; No-SR.Pub

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 304814 A G 5

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

EP 304814 B1 G 7 H04J-003/06

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

DE 3885205 G H04J-003/06 Based on patent EP 304814

ES 2046259 T3 H04J-003/06 Based on patent EP 304814

Abstract (Basic): EP 304814 A

The circuit for synchronising a data processor for information transmitted from a satellite includes one evaluation circuit with a frequency divider (1) and a combination circuit (2) supplying control signals (A) for comparison with a reference value followed by a storage element formed by a flip-flop (3). This gives signals (B) which are time shifted from the first signals (A) and both sets (A,B) are connected to the data processor by a combination output circuit (4).

The flip-flop (3) shifts the second signals (B) a pulse length from the first signals (A), and the output circuit (A) is an OR gate. The first signals are obtained by clock pulse signals and passed to the frequency divider which has a ratio corresp. to the number of bits in a data word.

ADVANTAGE - To reduce size of data processor single control part is used.

1/2

Title Terms: SYNCHRONISATION; CIRCUIT; DIGITAL; SATELLITE; AUDIO; TRANSMISSION; FREQUENCY; DIVIDE; FLIP-FLOP; SYSTEM; PRODUCE; TWO; PULSE; LENGTH; SHIFT; SIGNAL

Derwent Class: W02

International Patent Class (Main): H04J-003/06

International Patent Class (Additional): G06F-001/04 ; H04L-007/00;

H04L-025/00

File Segment: EPI

15/5/39 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003586825

WPI Acc No: 1983-D5021K/198311

XRPX Acc No: N83-045992

Satellite transmission error detection system - uses two stage polynomial coding

Patent Assignee: LICENTIA PATENT-VERW GMBH (LICN)

Inventor: KORTE H; STARK D

Number of Countries: 013 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3134831	A	19830310				198311 B
EP 73979	A	19830316				198312
JP 58051642	A	19830326				198318
CA 1188386	A	19850604				198527
EP 73979	B	19851218				198551
DE 3268027	G	19860130				198606

Priority Applications (No Type Date): DE 3134831 A 19810903

Cited Patents: 1.Jnl.Ref; DE 2060643; DE 2657826; EP 34036

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 3134831	A		16		
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EP 73979	A	G			
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 73979	B	G			
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Abstract (Basic): DE 3134831 A

The polynomial CH (Bose Chaudhuri Hocquengem) coding of satellite system transmissions achieves a higher degree of error recognition than previous BCH coded systems. For the forward error correction of digital satellite transmissions, an extended range BCH code is transmitted for reception by a two stage decoder at the receive earth station.

A cyclical block coded signal with arithmetical relationship to a

17/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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06884226 **Image available**
IMAGE COMMUNICATION METHOD AND IMAGE COMMUNICATION DEVICE

PUB. NO.: 2001-111734 [JP 2001111734 A]
PUBLISHED: April 20, 2001 (20010420)
INVENTOR(s): KAIBARA HIROSHI
APPLICANT(s): CANON INC
APPL. NO.: 11-283463 [JP 99283463]
FILED: October 04, 1999 (19991004)
INTL CLASS: H04N-001/00

ABSTRACT

PROBLEM TO BE SOLVED: To efficiently execute a desired processing after abnormal end of **image transmission** in the case that the **image transmission** is abnormally finished.

SOLUTION: The image communication method includes a **1st list** generating step (S20) where a list including information to indicate **images** to be **sent** and information denoting a transmission sequence of the information to be sent is generated, a transmission step (S20) where the **images** are **sent** to an external device on the basis of the list generated in the **1st list** generating step, a 2nd list generating step (S20) where a list including the information denoting the **images sent** in the **transmission** step and information denoting the **transmission** sequence of the **images** is generated, and a 3rd list generating step (S1104-S1109) where a list including the information of the **images** that cannot be **sent** among the **images** to be **sent** is generated on the basis of the lists generated in the **1st** and 2nd **list** generating steps.

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17/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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04506246 **Image available**
MUSIC INFORMATION VENDING DEVICE

PUB. NO.: 06-150146 [JP 6150146 A]
PUBLISHED: May 31, 1994 (19940531)
INVENTOR(s): KADOMA JUNYA
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-300954 [JP 92300954]
FILED: November 11, 1992 (19921111)
INTL CLASS: [5] G07F-017/26; G10H-001/00
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 42.5 (ELECTRONICS -- Equipment)
JAPIO KEYWORD: R088 (PRECISION MACHINES -- Automatic Vending Machines); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)
JOURNAL: Section: P, Section No. 1794, Vol. 18, No. 466, Pg. 101, August 30, 1994 (19940830)

ABSTRACT

PURPOSE: To obtain new music data in all parts of the whole country at an early stage by **transmitting** new **music** information which is necessary for the sales from a host computer, writing it in the semiconductor storage element of a cartridge and selling it.

CONSTITUTION: When a music is purchased, a user feeds necessary amount of

money in a cash receiver 10 at **first**. The **list** of music that the user selects is displayed on an indicator 9, and when the user purchases it, a writing to a cartridge 5 is started. In this case, whether that music data exists in the storage device T of a music information sales device 3 or not, is retrieved by a MPU 15, and when the data does not exist, an access to a host computer 1 is automatically performed via a transmission interface 4 and a transmission line 2 and necessary music data is made to be transmitted from a host computer 1. When the sold music is written in the semiconductor storage element within the cartridge 5, it is automatically recorded in the storage device 7 or a RAM 17 and the record is automatically transmitted to the host computer 1 by utilizing the time such as midnight, etc., when the sales is not performed.

17/5/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015007991 **Image available**
WPI Acc No: 2003-068508/200306
XRPX Acc No: N03-053215

Creating industry database by extracting URL addresses from web pages and automatically indexing and storing company name and profile information
Patent Assignee: BAIDYA R (BAID-I); MIFTAKHOV V (MIFT-I); BIOZAK INC (BIOZ-N)

Inventor: BAIDYA R; MIFTAKHOV V
Number of Countries: 100 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 2002103578	A1	20021227	WO 2002US19744	A	20020619	200306 B
US 20030046311	A1	20030306	US 2001299708	P	20010619	200320
			US 2002177346	A	20020619	

Priority Applications (No Type Date): US 2001299708 P 20010619; US 2002177346 A 20020619

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 2002103578	A1	E	60	G06F-017/30	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20030046311 A1 G06F-012/00 Provisional application US 2001299708

Abstract (Basic): WO 2002103578 A1

NOVELTY - Method consists in conducting an Internet search, creating a list of identified web page URL addresses, unstemming them to create a **second list**, comparing the **second list** with addresses stored in the database, deleting duplicates from the **second list** to create a third list, categorising URL addresses from the third list and automatically indexing and storing the URL under the predefined category in the database. Automatic categorisation is by selecting a subset of URL addresses from the third list to specify a training set for creating a statistical model, **downloading** corresponding **content**, creating a word count list for each web site, manually discarding non-discriminating words, validating the statistical model produced and automatically comparing content.

DETAILED DESCRIPTION - Company name and profile information is automatically extracted from the web site associated with the URL. News information is automatically updated by accessing the web page and determining whether new content is available. There are INDEPENDENT CLAIMS for:

(1) An industry database
(2) A database system
(3) A method of providing information in response to user queries
USE - Method is for searching for specific company profile information and automatically updating it in an information database using e.g. an Internet web site for the biotechnology or life sciences industry.

ADVANTAGE - Method provides dynamic real-time focused searching. It categorises the information and enables retrieval of static and dynamic information.

DESCRIPTION OF DRAWING(S) - The figure shows a web page presented to the user.

pp; 60 DwgNo 2/2

Title Terms: INDUSTRIAL; DATABASE; EXTRACT; ADDRESS; WEB; PAGE; AUTOMATIC; INDEX; STORAGE; COMPANY; NAME; PROFILE; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-012/00; G06F-017/30

International Patent Class (Additional): G06F-007/00; G06F-017/00

File Segment: EPI

17/5/4 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014537701 **Image available**

WPI Acc No: 2002-358404/200239

Method for buying and providing commodity

Patent Assignee: HWANG S S (HWAN-I)

Inventor: HWANG S S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001087572	A	20010921	KR 200011362	A	20000307	200239 B

Priority Applications (No Type Date): KR 200011362 A 20000307

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001087572	A		1	G06F-017/60	

Abstract (Basic): KR 2001087572 A

NOVELTY - A method for buying and providing a commodity is provided to prevent presents from being duplicated.

DETAILED DESCRIPTION - A plurality of second users(214) wants to present a gift to the first user. A database(238) stores a gift list wanted by the first user, event contents, the **second users list** designated by the first user. A server(234) connects to the first user, the second users(214), and the database(238) through a communication network. An operator searches the database(238) using the server(234) and extracts gift buyer information registered by the first user(gift registrant). The extracted gift buyer information is classified. The operator **transmits** event **contents** information designated by the first user to the second users.

pp; 1 DwgNo 1/10

Title Terms: METHOD; BUY; COMMODITY

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

17/5/5 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014374756 **Image available**

WPI Acc No: 2002-195459/200225
XRPX Acc No: N02-148538

Computer system capable of classifying, manipulating, and quantifying features of biological images; selects and executes method that performs quantitative analysis on one or more of biological images organized into project

Patent Assignee: GLAXO GROUP LTD (GLAX)
Inventor: BOLLONDI L G; DANCKAERT A S
Number of Countries: 095 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200178009	A2	20011018	WO 2001GB1400	A	20010329	200225 B
AU 200142619	A	20011023	AU 200142619	A	20010329	200225

Priority Applications (No Type Date): GB 20007860 A 20000331

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200178009	A2	E	75	G06T-007/00
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200142619	A		G06T-007/00	Based on patent WO 200178009
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Abstract (Basic): WO 200178009 A2

NOVELTY - A first graphical tool allows the biological images to be organized into hierarchy of nodes, each node representing a biological classification of the images. A **second** graphical tool **listing** allows selection and execution of a method that performs a quantitative analysis on one or more of the biological images organized into the project. The quantitative analysis calculates biological information from one or more of the biological images.

DETAILED DESCRIPTION - User interface (125) may give a user access to a large database of biological images (135) that contains images from a wide variety of sources. The images may be stored in various digital image formats. The users may search for specific biological images via user interface (125) and a searching application (137). The user interface (125) may be employed to facilitate **transmission** of **images** from database (135) to atlas (131) and model database (129).

INDEPENDENT CLAIMS are included for:

(a) a computer program product including a machine readable medium on which are provided instructions for a graphical user interface

(b) a method of organizing one or more biological images using a graphical user interface

USE - In image processing technology using computer user interfaces for classifying, manipulating, and quantifying features of biological images.

ADVANTAGE - Provides automated or user friendly systems allowing biology professionals to organize biological images and to rapidly quantify features contained within those images.

DESCRIPTION OF DRAWING(S) - The drawing is a schematic illustration of the database environment in which a quantitative visualization tool of this invention may reside.

user interface (125)

model database (129)

atlas (131)

searching application (137)

pp; 75 DwgNo 1d/8

Title Terms: COMPUTER; SYSTEM; CAPABLE; CLASSIFY; MANIPULATE;

QUANTIFICATION; FEATURE; BIOLOGICAL; IMAGE; SELECT; EXECUTE; METHOD;

PERFORMANCE; QUANTITATIVE; ANALYSE; ONE; MORE; BIOLOGICAL; IMAGE; PROJECT

Derwent Class: S05; T01

International Patent Class (Main): G06T-007/00

File Segment: EPI

17/5/6 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011155046 **Image available**

WPI Acc No: 1997-132970/199712

Related WPI Acc No: 1997-132271; 1997-132850; 1997-132956; 1997-132957;
1997-132958; 1997-132959; 1997-132960; 1997-132962; 1997-132963;
1997-132964; 1997-132966; 1997-132967; 1997-132968; 1997-132969;
1997-132971; 1997-132972; 1997-132973; 1997-132974; 1997-132975;
1997-132976; 1997-132977; 1997-132978; 1997-132979; 1997-132980;
1997-132981; 1997-132982; 1997-132983; 2001-388355; 2001-388356;
2001-439983; 2001-439984; 2001-449821; 2001-449822; 2001-449823;
2001-449824; 2001-578169; 2001-578170; 2002-048171; 2002-048172;
2002-048173; 2002-054294; 2002-060896; 2002-074162; 2002-074163;
2002-081642; 2002-081643; 2002-081644; 2002-081645; 2002-081646;
2002-081647; 2002-120678; 2002-120679; 2002-129136; 2002-234951

XRFX Acc No: N97-109746

Linked list structure for use in asynchronous transfer mode switch - has pointers to subsequent linked list as list entries and forms hierarchy of such lists with entries pointing to other lists

Patent Assignee: FUJITSU LTD (FUIT); FUJITSU NETWORK COMMUNICATIONS INC (FUIT); ASCOM NEXION INC (ASCO-N)

Inventor: CALDARA S A; HAUSER S A; MANNING T A; STROUBLE R L

Number of Countries: 071 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9704558	A1	19970206	WO 96US11881	A	19960718	199712 B
AU 9667618	A	19970218	AU 9667618	A	19960718	199723
EP 839422	A1	19980506	EP 96928001	A	19960718	199822
			WO 96US11881	A	19960718	
JP 11510323	W	19990907	WO 96US11881	A	19960718	199947
			JP 97506065	A	19960718	

Priority Applications (No Type Date): US 951498 P 19950719

Cited Patents: US 5432908

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9704558 A1 E 47 H04L-012/56

Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9667618 A Based on patent WO 9704558

EP 839422 A1 E Based on patent WO 9704558

Designated States (Regional): DE FR GB

JP 11510323 W 42 H04L-012/28 Based on patent WO 9704558

Abstract (Basic): WO 9704558 A

The linked list structure includes one list which has several entries. A set of linked lists each have at least one entry. Each of the linked lists is addressed by one of the entries in the **first list**. A second set of linked lists each have at least one entry. Each of the **second** set of **lists** is addressed by one of the **first** linked **list** entries.

Preferably, a controller arbitrates between several queues, each of which belong to one of several scheduling lists. Queues which have a common first characteristic are organised as a linked list of queues. Queues with a common second characteristic are organised in the same way.

USE/ADVANTAGE - For telecommunications network. For **sending**

medical **image** . Enables customer to pay for level of service desired.
Maximises use of switch bandwidth. Maintains priorities of lists.
Highly efficient integrated service. Reduced delay.

Dwg.1/11

Title Terms: LINK; LIST; STRUCTURE; ASYNCHRONOUS; TRANSFER; MODE; SWITCH;
POINT; SUBSEQUENT; LINK; LIST; LIST; ENTER; FORM; HIERARCHY; LIST; ENTER;
POINT; LIST

Derwent Class: W01

International Patent Class (Main): H04L-012/28; H04L-012/56

International Patent Class (Additional): H04Q-003/00

File Segment: EPI

17/5/7 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010552497 **Image available**

WPI Acc No: 1996-049450/199605

Related WPI Acc No: 2001-180977

XRPX Acc No: N96-041454

**Generating gaming card faces remotely - using master station creating
list of seeds that are transferred to remote units that use random
number generator to form game card faces**

Patent Assignee: HECHT A R (HECH-I)

Inventor: HECHT A R

Number of Countries: 042 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9534353	A2	19951221	WO 95US6899	A	19950605	199605 B
AU 9528157	A	19960105	AU 9528157	A	19950605	199614
WO 9534353	A3	19960208	WO 95US6899	A	19950605	199622
US 5588913	A	19961231	US 94259387	A	19940614	199707

Priority Applications (No Type Date): US 94259387 A 19940614

Cited Patents: US 4747600; US 5072381

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9534353	A2	E	36	A63F-000/00	
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Designated States (National): AU BB BG BR CA CN CZ FI HU JP KP KR LK MG
MN MW MX NO NZ PL RO RU SD UA

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
OA PT SE

AU 9528157	A		A63F-009/22	Based on patent WO 9534353
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WO 9534353	A3		A63F-000/00	
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US 5588913	A	15	A63F-009/24	
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Abstract (Basic): WO 9534353 A

The gaming card face generator system involves a method of transferring seed lists to remote gaming units. Initially a list of seeds is generated in a pre-processing step in a master unit. This uses a random number generator to form seeds each of which is checked for uniqueness and to ensure it will generate a unique game card.

Some of the seeds are then passed to the remote gaming units. These use the seeds to trigger a random number generator (40) whose numbers are sued in row and column positions (42,44) to form unique game cards for each remote unit.

USE/ADVANTAGE - Used in bingo or games based on creating patterns on cards. Simplifies process of maintaining and **distributing** generation of **game** card faces.

Dwg.1/7

Title Terms: GENERATE; GAME; CARD; FACE; REMOTE; MASTER; STATION; LIST;
SEED; TRANSFER; REMOTE; UNIT; RANDOM; NUMBER; GENERATOR; FORM; GAME; CARD
; FACE

Derwent Class: P36; T01; W04

International Patent Class (Main): A63F-000/00; A63F-009/22; A63F-009/24
File Segment: EPI; EngPI

17/5/8 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

008882773 **Image available**
WPI Acc No: 1992-010042/199202
XRPX Acc No: N92-007720

High performance low volume information disc - holds management data for
virtual ROM areas in disc definition area, and recovers data from
defective sector in virtual ROM area

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUSHITA ELEC
IND CO LTD (MATU)

Inventor: AZUMATANI Y; FUKUSHIMA Y; HAMASAKA H; SATOH I; TAKAGI Y

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 464811	A	19920108	EP 91111079	A	19910704	199202 B
EP 464811	A3	19920701	EP 91111079	A	19910704	199333
US 5270877	A	19931214	US 91726686	A	19910708	199350
EP 464811	B1	19971001	EP 91111079	A	19910704	199744
DE 69127776	E	19971106	DE 627776	A	19910704	199750
			EP 91111079	A	19910704	

Priority Applications (No Type Date): JP 90180063 A 19900706

Cited Patents: NoSR.Pub; US 4656532; US 4754345; US 4814903; US 4835757; US
4935825; 2.Jnl.Ref; EP 350920

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing	Notes
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EP 464811	A						
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Designated States (Regional): DE FR GB

US 5270877	A		16	G11B-005/09			
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EP 464811	B1 E	20	G11B-020/10				
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Designated States (Regional): DE FR GB

DE 69127776	E		G11B-020/10	Based on patent EP 464811			
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Abstract (Basic): EP 464811 A

A disc shaped **recording** medium for **distributing** software has a control track area containing a defect management area and a user area are located as in prior systems. The user areas consist of rewritable areas and virtual ROM areas. The virtual ROM areas are divided into a number of ROM groups with both data sectors and parity sectors.

The defect management area has a definition area, primary and **secondary** defect **lists** . The area management data is recorded in the disc definition area and includes the management data for the assignment of ROM data in the user area.

ADVANTAGE - Reduces cost and editing in low volume production.

(18pp Dwg.No.1/10

Title Terms: HIGH; PERFORMANCE; LOW; VOLUME; INFORMATION; DISC; HOLD;
MANAGEMENT; DATA; VIRTUAL; ROM; AREA; DISC; DEFINE; AREA; RECOVER; DATA;
DEFECT; SECTOR; VIRTUAL; ROM; AREA

Derwent Class: T01; T03

International Patent Class (Main): G11B-005/09; G11B-020/10

International Patent Class (Additional): G06F-003/06; G11B-020/18

File Segment: EPI

17/5/9 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

008277160 **Image available**

WPI Acc No: 1990-164161/199021
XRPX Acc No: N90-127411

**Converting and processing method for compressed image data - using
intermediate code comprising fixed word-length transition list of values
representing run lengths of black or white picture elements**

Patent Assignee: NETEXPRESS SYSTEMS INC (NETE-N); NETEXPRESS SYST (NETE-N)

Inventor: HUNT D L; ROBERTS L G

Number of Countries: 013 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9004838	A	19900503				199021 B
CA 2001405	A	19900424				199025
EP 441896	A	19910821	EP 90901108	A	19891024	199134
US 5095512	A	19920310	US 88261956	A	19881024	199213
JP 4502992	W	19920528	WO 89US4758	A	19891024	199228
			JP 90501183	A	19891024	
EP 441896	A4	19920722	EP 90901108	A	19900000	199523
EP 441896	B1	19970514	WO 89US4758	A	19891024	199724
			EP 90901108	A	19891024	
DE 68928046	E	19970619	DE 628046	A	19891024	199730
			WO 89US4758	A	19891024	
			EP 90901108	A	19891024	
CA 2001405	C	19990323	CA 2001405	A	19891024	199930

Priority Applications (No Type Date): US 88261956 A 19881024

Cited Patents: US 4602383; US 4610027; US 4646356; US 4783834; US 4821336;

US 4876607; 1.Jnl.Ref; DE 3512070; AJP61256863; OA 3.Jnl.Re

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9004838	A		151		
				Designated States (National): JP	
				Designated States (Regional): AT BE CH DE FR GB IT LU NL SE	
EP 441896	A		151		
				Designated States (Regional): DE FR GB	
US 5095512	A		92		
JP 4502992	W			H04N-001/413	Based on patent WO 9004838
EP 441896	B1 E	136		H04N-001/413	Based on patent WO 9004838
				Designated States (Regional): DE FR GB	
DE 68928046	E			H04N-001/413	Based on patent EP 441896
					Based on patent WO 9004838

CA 2001405 C G06T-001/00

Abstract (Basic): WO 9004838 A

The method involves analysing a first graphics image code representing a first image to identify a first scan line representation for each scan line of the first graphics image code. The first scan line representation is converted into a line code of a third code. A sufficient number of the line codes of the third code are accumulated to construct a translation unit of a second graphics image code. From the translation unit the second image described by the second image code is constructed.

The third code is a scan line code having a variable length and formed of fixed length code words. The third code comprises a list of transitions of black and white for each scan line, each transition list having a **first transition list** code word specifying the number of transitions per scan line.

USE - For facsimile data **transmission** and bit-mapped **image** reproduction for example in connection with laser graphics printers.
(151pp Dwg.No.1/7)

Title Terms: CONVERT; PROCESS; METHOD; COMPRESS; IMAGE; DATA; INTERMEDIATE;
CODE; COMPRISE; FIX; WORD; LENGTH; TRANSITION; LIST; VALUE; REPRESENT;
RUN; LENGTH; BLACK; WHITE; PICTURE; ELEMENT

Derwent Class: S06; T01; T04; W02

International Patent Class (Main): G06T-001/00; H04N-001/413

International Patent Class (Additional): G06F-015/66; G06F-015/72;

G06K-009/36

File 47:Gale Group Magazine DB(TM) 1959-2003/Oct 22
 (c) 2003 The Gale group
 File 122:Harvard Business Review 1971-2003/Oct
 (c) 2003 Harvard Business Review
 File 148:Gale Group Trade & Industry DB 1976-2003/Oct 22
 (c)2003 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2003/Oct 21
 (c) 2003 The Gale Group
 File 444:New England Journal of Med. 1985-2003/Oct W3
 (c) 2003 Mass. Med. Soc.
 File 482:Newsweek 2000-2003/Oct 16
 (c) 2003 Newsweek, Inc.
 File 609:Bridge World Markets 2000-2001/Oct 01
 (c) 2001 Bridge
 File 610:Business Wire 1999-2003/Oct 22
 (c) 2003 Business Wire.
 File 619:Asia Intelligence Wire 1995-2003/Oct 21
 (c) 2003 Fin. Times Ltd
 File 622:EIU Magazines 2000-2003/Oct 23
 (c) 2003 EIU Magazines
 File 624:McGraw-Hill Publications 1985-2003/Oct 21
 (c) 2003 McGraw-Hill Co. Inc
 File 635:Business Dateline(R) 1985-2003/Oct 21
 (c) 2003 ProQuest Info&Learning
 File 646:Consumer Reports 1982-2003/Oct
 (c) 2003 Consumer Union
 File 647:CMP Computer Fulltext 1988-2003/Sep W3
 (c) 2003 CMP Media, LLC
 File 674:Computer News Fulltext 1989-2003/Oct W2
 (c) 2003 IDG Communications
 File 696:DIALOG Telecom. Newsletters 1995-2003/Oct 21
 (c) 2003 The Dialog Corp.
 File 748:Asia/Pac Bus. Jrnls 1994-2003/Oct 14
 (c) 2003 The Dialog Corporation
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire

?ds

Set	Items	Description
S1	1119	AU=(MCAULAY, R? OR MCAULAY R? OR COHEN, S? OR COHEN S?)
S2	42266	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT) (3N) (DOWNLOAD? OR DOWN()LOAD?)
S3	20710	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR IMAGE OR IMAGES OR GAME OR GAMES) (3N) (DOWNLOAD? OR D-OWN()LOAD?)
S4	129690	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT OR IMAGE OR IMAGES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR SEND? ? OR SENDING)
S5	139436	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR CONTENT? ? OR WORK? ? OR IMAGE OR IMAGES OR GAME OR - GAMES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR S-END? ? OR SENDING)
S6	1059514	WAN OR LAN OR WIDE()AREA()NETWORK? OR LOCAL()AREA()NETWORK? OR SATELLITE?
S7	20864	(MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR SECOND)- (2W) (LIST OR LISTS OR LISTING?)
S8	15	S1 AND (S2 OR S3 OR S4 OR S5)
S9	6	S6 AND S8
S10	6	S9 NOT PY>1999
S11	3	RD (unique items)
S12	241404	S2:S5
S13	3604	S12(3N)S6
S14	12	S13 AND S7
S15	12	S14 NOT S11
S16	9	S15 NOT PY>1999

" *S17 5 RD (unique items)

11/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2003 The Gale group. All rts. reserv.

05292682 SUPPLIER NUMBER: 53527386 (USE FORMAT 7 OR 9 FOR FULL TEXT)
High-tech, high-touch, high time?(using technology to teach soft skills)
Cohen, Stephen L. ; Rustad, James M
Training & Development, 52, 12, 30(6)
Dec, 1998
ISSN: 1055-9760 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3261 LINE COUNT: 00260

Cohen, Stephen L ...
... and frame rates. Network administrators are slowly becoming more comfortable using a streaming technology to **send audio** and video files over a network. With the high quality available at the T1 rate...steps to learners as a follow-up activity.
Regardless of the delivery method - Web, intranet, **satellite**, video, text-based - the Learning Reference Model lets users control not only when they learn...

11/3,K/2 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2003 The Gale group. All rts. reserv.

04712377 SUPPLIER NUMBER: 19225000 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Intranets uncovered. (includes related articles on intranet-based audio and definition of intranet) (Intranets or Bust)
Cohen, Sacha
Training & Development, v51, n2, p48(3)
Feb, 1997
ISSN: 1055-9760 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2360 LINE COUNT: 00201

Cohen, Sacha
... By the end of 1995, Ernst & Young had more than 100 CD-ROM titles. Now, **content** is **distributed** and updated directly on the intranet - saving time and money, as well as CD-ROM...audio streaming and compression software adds interactivity to Ernst & Young's intranet. Streaming means that **audio** files are **downloaded** in pieces or chunks, instead of in one large file. Before streaming technology, it took...standards-based services: directories, e-mail, file sharing, printing capability, and network management.
Not a **LAN / WAN**. An intranet uses a browser interface and supports Internet applications such as hypertext transfer protocol...

11/3,K/3 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08590132 SUPPLIER NUMBER: 18182584 (USE FORMAT 7 OR 9 FOR FULL TEXT)
European TV consortium formed. (Digital Video Broadcasting Integrated Receiver Decoder) (Industry Trend or Event)
Cohen, Sarah
Electronic News (1991), v42, n2111, p54(1)
April 8, 1996
ISSN: 1061-6624 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 422 LINE COUNT: 00039

Cohen, Sarah
... in terms of money gained by the European community, but in technical knowledge acquired from **work distributed** among several

"companies."

Starting from the specification of the Digital Video Broadcasting baseline terrestrial system...

...phase is to lead to the specification of ICs that can be used for terrestrial, **satellite** and cable broadcasting methods.

A possible extension to the project involves the design and prototyping of a second chipset and demonstrator, based on the specification of the common **satellite** /cable/terrestrial receiver defined in the main part of the project. The ICs will be...

17/3,K/1 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2003 The Gale group. All rts. reserv.

04992333 SUPPLIER NUMBER: 19798822 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The top 25. (profiles of wealthy Americans) (Forbes 400)

Forbes, v160, n8, p152(14)

Oct 13, 1997

ISSN: 0015-6914 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3268 LINE COUNT: 00272

... cable operator Comcast. Internet? Surf it on Microsoft Explorer. Bandwidth Bill is also in WebTV, **satellite** network Teledesic and **music** and movie **distributor** DreamWorks SKG. Apple's onetime dark prince now its white knight with \$150 million investment...much as 50% of sales in 2 years. Richer than Bill Gates was at 32. **First** on **list** 1991.

17 Philip Hampson Knight \$5.4 billion Nike. Beaverton, Ore. 59 Married. 2 sons...

17/3,K/2 (Item 2 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

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02948254 SUPPLIER NUMBER: 04627723 (USE FORMAT 7 OR 9 FOR FULL TEXT)

At Dolby Labs, PCs, mini, phones work in concert. (Dolby Laboratories)

(company profile)

Kanzler, Stephen

PC Week, v4, n4, p43(4)

Jan 27, 1987

DOCUMENT TYPE: company profile ISSN: 0740-1604 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3012 LINE COUNT: 00230

... every tape player and prerecorded tape made, and Dolby's newest products are used to **transmit** digital **audio** by **satellite** over the Music Television Network (MTV).

As a technology company, Dolby was also one of...then uploaded to the System/36, where they are merged with the the overall component **master list** and sent to the sister machine in England.

Dolby also went with IBM when it...

17/3,K/3 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

07718894 SUPPLIER NUMBER: 16669229 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Alphabetical listings: how to use the 1995 Health Management Technology market directory issue.

Health Management Technology, v16, n3, p14(64)

Feb 15, 1995

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 66155 LINE COUNT: 05980

...ABSTRACT: s products, primary software and hardware products. The directory is further broken down into a **second list** that provides the company names listed by 212 different applications rather than by company name...

The **first** section, "Alphabetical Listings," is list of all healthcare information systems organizations appearing in the 1995 Market Directory. Listings...486, Windows/NT-compatible PC or RISC WinRad is a teleradiology-PACS product for medical- **image** display, archive and **transmission** over wide- and **local - area networks**. WinRad uses

standard, nonproprietary hardware, is exceptionally user-friendly and supports a number of advanced...

17/3,K/4 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07221179 SUPPLIER NUMBER: 15068645 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1994 market directory issue: more than 600 information technology company listings. (vendors of health technology-related products and services, organizations and events) (Directory)
Health Management Technology, v15, n3, p14(113)
Feb 15, 1994
DOCUMENT TYPE: Directory LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT;
ABSTRACT
WORD COUNT: 69033 LINE COUNT: 06228

... Health Management Technology Market Directory is easy. The directory is divided into two sections. The **first** section, **Alpha Listings**, is an alphabetical list of all organizations appearing in the 1994 Health Management Technology Market...486, Windows/NT- compatible PC or RISC

WinRad is a teleradiology-PACS product for medical **image** display, archive, and **transmission** over wide-and **local - area networks**. Windrad runs on Windows, and Window/NT, uses standard, non-proprietary hardware, is exceptionally user...

17/3,K/5 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv..

01175970 CMP ACCESSION NUMBER: DAC19981021S0029
Power to the People - Satellife's Healthnet uses satellite, e-mail, and online forums to deliver a vital tool to health workers around the world: knowledge
Mary Jander
DATA COMMUNICATIONS, 1998, n 2715, PG60
PUBLICATION DATE: 981021
JOURNAL CODE: DAC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Networks For Humanity
WORD COUNT: 5255

... or to a gateway that translates mail for use on Fidonet or the satellite network.

Second on the **list** was to revamp the gateway software running in Boston and Newfoundland. So Pereira rewrote the...Boston, he can FTP files over the Internet to Newfoundland, where they're converted to **satellite** format and **sent** up. It also **works** the other way: Pereira can use an Internet FTP connection to retrieve satellite mail from...

File 2:INSPEC 1969-2003/Oct W2
 (c) 2003 Institution of Electrical Engineers
 File 35:Dissertation Abs Online 1861-2003/Sep
 (c) 2003 ProQuest Info&Learning
 File 65:Inside Conferences 1993-2003/Oct W3
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 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Sep
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 File 233:Internet & Personal Comp. Abs. 1981-2003/Jul
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 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
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 File 474:New York Times Abs 1969-2003/Oct 22
 (c) 2003 The New York Times
 File 475:Wall Street Journal Abs 1973-2003/Oct 22
 (c) 2003 The New York Times

?ds

Set	Items	Description
S1	2201	AU=(MCAULAY, R? OR MCAULAY R? OR COHEN, S? OR COHEN S?)
S2	958	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT) (3N) (DOWNLOAD? OR DOWN()LOAD?)
S3	700	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR IMAGE OR IMAGES OR GAME OR GAMES) (3N) (DOWNLOAD? OR D-OWN()LOAD?)
S4	21649	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT OR IMAGE OR IMAGES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR SEND? ? OR SENDING)
S5	31922	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR CONTENT? ? OR WORK? ? OR IMAGE OR IMAGES OR GAME OR - GAMES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR S-END? ? OR SENDING)
S6	271836	WAN OR LAN OR WIDE()AREA()NETWORK? OR LOCAL()AREA()NETWORK? OR SATELLITE?
S7	1636	(MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR SECOND)- (2W) (LIST OR LISTS OR LISTING?)
S8	2	S1 AND S2:S5
S9	2	RD (unique items)
S10	37619	S2:S5
S11	552	S10(5N)S6
S12	0	S11 AND S7
S13	3	S11 AND (LIST OR LISTS OR LISTINGS)
S14	3	RD (unique items)
S15	403	S10(3N)S6
S16	340	S15 NOT PY>1999
S17	238	S16 NOT (TRANSMITTER? OR BROADCAST? OR GAME)
S18	228	RD (unique items)
S19	66	S18 NOT SATELLITE?
S20	65	S19 NOT (S9 OR S14)
S21	39	S20 NOT IMAGE
?		

9/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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7441237 INSPEC Abstract Number: A2002-24-4285F-004, B2002-12-4340-008

Title: Evaluation of experimental laser-induced-damage assessment techniques for solid state nonlinear optical elements

Author(s): Kimball, B.R.; Altshuler, K.; Cohen, S.H. ; DeCristofano, B.S.; Nakashima, M.; Panchangam, A.; Rao, D.V.; Wu, P.

Author Affiliation: Mater. Sci. Team, U.S. Army Soldier Syst. Center, Natick, MA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4462 p.33-42

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2002 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2002)4462L:33:EELI;1-E

Material Identity Number: C574-2002-123

U.S. Copyright Clearance Center Code: 0277-786X/02/\$15.00

Conference Title: Nonlinear Optical Transmission Processes and Organic Photorefractive Materials

Conference Sponsor: SPIE

Conference Date: 31 July-2 Aug. 2001 Conference Location: San Diego, CA, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Experimental (X)

Abstract: A comparison is made of two, laser-induced-damage assessment techniques. The first technique monitors the sample for changes in linear transmission after high-energy laser illumination. With the second technique, an **image** is **transmitted** through the sample, after high-energy laser illumination, at the position of incidence. Both single and multiple shot data are considered. Results show the imaging technique to be an efficient method by which to unambiguously discern the onset of image-degrading laser-damage, regardless of detector noise, shot-to-shot variations and sample inhomogeneities. Practically speaking, the imaging technique is relatively easy to incorporate into a laser-based experimental system and is particularly relevant to the assessment of optical systems for imaging. (4 Refs)

Subfile: A B

Descriptors: laser beam effects; light transmission; nonlinear optics; optical elements; optical testing

Identifiers: experimental laser-induced-damage assessment techniques; solid state nonlinear optical elements; laser-induced-damage assessment; linear transmission; high-energy laser illumination; single shot data; multiple shot data; imaging technique; image-degrading laser-damage; detector noise; shot-to-shot variations; sample inhomogeneities; optical systems

Class Codes: A4285F (Optical testing techniques); A4265 (Nonlinear optics); A4280 (Optical elements, devices and systems); A6180B (Ultraviolet, visible and infrared radiation effects); B4340 (Nonlinear optics and devices)

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9/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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6365375 INSPEC Abstract Number: B1999-11-6135E-041, C1999-11-5260B-183

Title: The Earth Mover's Distance under transformation sets

Author(s): Cohen, S. ; Guibasm, L.

Author Affiliation: Dept. of Comput. Sci., Stanford Univ., CA, USA

Conference Title: Proceedings of the Seventh IEEE International

Conference on Computer Vision Part vol.2 p.1076-83 vol.2
 Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
 Publication Date: 1999 Country of Publication: USA 2 vol.xxvii+1258 pp.
 ISBN: 0 7695 0164 8 Material Identity Number: XX-1999-02507
 U.S. Copyright Clearance Center Code: 0 7695 0164 8/99/\$10.00
 Conference Title: Proceedings of the Seventh IEEE International Conference on Computer Vision
 Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Pattern Anal. & Machine Intelligence
 Conference Date: 20-27 Sept. 1999 Conference Location: Kerkyra, Greece
 Language: English Document Type: Conference Paper (PA)
 Treatment: Practical (P)
 Abstract: The Earth Mover's Distance (EMD) is a distance measure between **distributions** with applications in **image** retrieval and matching. We consider the problem of computing a transformation of one distribution which minimizes its EMD to another. The applications discussed here include estimation of the size at which a color pattern occurs in an image, lighting-invariant object recognition, and point feature matching in stereo image pairs. We present a monotonically convergent iteration which can be applied to a large class of EMD under transformation problems, although the iteration may converge to only a locally optimal transformation. We also provide algorithms that are guaranteed to compute a globally optimal transformation for a few specific problems, including some EMD under translation problems. (16 Refs)
 Subfile: B C
 Descriptors: distance measurement; feature extraction; image colour analysis; image matching; image retrieval; iterative methods; object recognition
 Identifiers: Earth Mover Distance; transformation sets; EMD; distance measure; image retrieval; image matching; color pattern; lighting-invariant object recognition; point feature matching; stereo image pairs; monotonically convergent iteration; transformation problems; locally optimal transformation; globally optimal transformation; translation problems
 Class Codes: B6135E (Image recognition); B7320C (Spatial variables measurement); B0290F (Interpolation and function approximation (numerical analysis)); C5260B (Computer vision and image processing techniques); C6160S (Spatial and pictorial databases); C7250R (Information retrieval techniques); C1250M (Image recognition); C4130 (Interpolation and function approximation (numerical analysis))
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14/5/1 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00546002 99ED09-002

Distance learning over ATM/SONET: the distance learning environment demonstration

Viren, John; Viren, Catherine

Journal of Educational Technology Systems , September 1, 1999 , v27 n3 p231-243, 13 Page(s)

ISSN: 0047-2395

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Presents a study of distance learning over a high bandwidth asynchronous transfer mode/synchronous optical network (ATM/SONET) wide area network (WAN) as a viable solution for remote students. Remarks that most distance learning multimedia programs are still instructor-led mediated events. Claims that the educational community is moving toward low-cost self-directed education-on-demand. Explains that commercial-off-the-shelf (COTS) PC-based hardware and software was repurposed or developed new for the study. Says that students logged into a centralized server to take courses, and individual student information was tr stored on the server. Notes that centralized courseware simplified software maintenance and gave instructors direct control of the courses. Concludes that COTS hardware and software can be used to develop **multimedia** interactive courseware **distributed** over a **WAN** . Includes one **list** of references. (amg)

Descriptors: Distance Learning; Asynchronous Transfer Mode; Networks; Courseware; Multimedia

14/5/2 (Item 2 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00384142 95BY05-009

Beyond Hollywood -- New tools and technologies make it easier to create professional-quality video and send it throughout your company

Joch, Alan; Diehl, Stanford; Bryan, John; Fritz, Jeffrey

BYTE , May 1, 1995 , v20 n5 p95-116, 15 Page(s)

ISSN: 0360-5280

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Presents a special section on digital video. Includes the following articles: ``BYTE's Video Workshop'' (p97-104) by Stanford Diehl describing a desktop video (DV) production suite set up by BYTE for creating an in-house multimedia product, and viewing DV from the corporate perspective; advises keeping a good configuration log, getting the capture and compression working before adding sound cards, and using the 3Com EtherLink III. Also includes ``Compression Scorecard'' (p107-112) by John Bryan recommending compression methods which rely entirely on software codecs, and covering interframe analysis compression algorithms, symmetric and asymmetric codecs, and compression transforms; and ``Video Connections'' (p113-116) by Jeffrey Fritz discussing isochronous Ethernet technology, saying that it may be the best hope for easily **sending** digital video and **audio** across a **LAN** . Includes 13 photos, two diagrams, one table, two sidebars, two screen displays, and two **lists** of vendors. (jo)

Descriptors: Digital Video; Multimedia; Compression; Algorithm; Software; Ethernet; Digital Audio

14/5/3 (Item 3 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

00100049 84PW12-026

PC in the sky

Littman, Jonathan; Friedland, Mary

PC World , Dec 1984 , v2 n13 p256-265, 10 Pages

ISSN: 0737-8939

Languages: English

Document Type: Article

Geographic Location: United States

Describes digital image processing using an IBM Personal Computer. Explains that software is being developed for making use of **images sent** from Landsat (land remote-sensing **satellite** system) by microcomputer owners. Includes a sidebar that **lists** the hardware and software needed to convert Landsat images on the IBM PC. Suggests that the process can be useful in agriculture, mineral exploration, oceanography, medicine, and robotics. Includes an illustration and four photographs.

Descriptors: Image Processing; IBM Personal Computer

Identifiers: Landsat

21/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6482264 INSPEC Abstract Number: B2000-03-6210R-008, C2000-03-5620W-008

Title: Emerging multimedia communication for industry applications

Author(s): Irwin, J.D.

Author Affiliation: Dept. of Electr. & Comput. Eng., Auburn Univ., AL, USA

Conference Title: ISIE '99. Proceedings of the IEEE International Symposium on Industrial Electronics (Cat. No.99TH8465) Part vol.1 p. PS1-6 vol.1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA 3 vol. xxiii+1568 pp.

ISBN: 0 7803 5662 4 Material Identity Number: XX-1999-00564

U.S. Copyright Clearance Center Code: 0 7803 5662 4/99/\$10.00

Conference Title: Proceedings of ISIE '99. IEEE International Symposium on Industrial Electronics

Conference Sponsor: IEEE Ind. Electron. Soc.; Slovenia Minstr. Sci. & Technol.; Soc. Instrum. & Control Eng. (Japan); Univ. Maribor; Univ. Ljubljana; IEEE Region 8, Slovenia Sect

Conference Date: 12-16 July 1999 Conference Location: Bled, Slovenia

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: Affordable communication networks and emerging multimedia communication and multimedia processing technologies enable many industrial applications; however, it is challenging to design, manage, and upgrade networks as well as to utilize the multimedia technologies for distributed applications because of fast changes in this area. Enabling technologies and standards for the industrial environment are described in this plenary talk. Emerging video, audio and data communication, as well as **multimedia** processing technologies involving **distributed** processing in **local area networks** and the Internet, are discussed. Examples are provided for various industry applications that must operate with today's rapidly evolving network and multimedia technologies,. (13 Refs)

Subfile: B C

Descriptors: data communication; distributed processing; Internet; local area networks; multimedia communication; visual communication

Identifiers: multimedia communication; industry applications; multimedia processing technologies; distributed applications; industrial environment; data communication; audio communication; video communication; distributed processing; local area networks; Internet

Class Codes: B6210R (Multimedia communications); B6210L (Computer communications); C5620W (Other computer networks); C6130M (Multimedia); C5620L (Local area networks)

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21/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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6291744 INSPEC Abstract Number: B1999-08-0120-021, C1999-08-7810C-047

Title: Distance learning over ATM/SONET: the Distance Learning Environment Demonstration

Author(s): Viren, J.; Viren, C.

Author Affiliation: Interstate Electron. Corp., Anaheim, CA, USA

Journal: Journal of Educational Technology Systems vol.27, no.3 p. 231-43

Publisher: Baywood Publishing,

Publication Date: 1998-1999 Country of Publication: USA

CODEN: JETSB7 ISSN: 0047-2395

SICI: 0047-2395(1998/1999)27:3L:231:DLOS;1-9

Material Identity Number: J256-1999-002

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A)

Abstract: High-bandwidth data-link services are being installed throughout the USA in support of evolving learning and communication needs. Early adopters are pushing the infrastructure and networks to bring high-quality interactive services to the desktop. Most distance learning multimedia programs remain instructor-led mediated events. The infrastructure technology is expensive to install and most applications do not exploit student-centric applications. Distance learning systems integrators are quick to offer high-cost instructor-centric solutions, but the educational community is slowly moving toward low-cost, self-directed education-on-demand. The Distance Learning Environment Demonstration (DLED) offers a base study solution for legacy Ethernet LANs, school-centric courseware management and student-centric courses. Using COTS PC-based hardware and software, CBT courseware was either re-purposed or newly developed in support of the study. Students logged into a centralized server via ATM/SONET to take different interactive multimedia courses. Individual student information was tracked and stored on the server and was accessible only by the administration. The centralized courseware simplified the task of software maintenance and gave instructors and administrators direct control of the courses. Performance metrics indicated that low-cost, high performance COTS hardware and software can be used to develop high-fidelity **multimedia** interactive courseware **distributed** over a **WAN**. This study would suggest that distance learning over a high-bandwidth ATM/SONET WAN was a viable solution for a remote student population. (11 Refs)

Subfile: B C

Descriptors: asynchronous transfer mode; computer based training; courseware; distance learning; local area networks; microcomputer applications; multimedia communication; multimedia servers; software maintenance; SONET; wide area networks

Identifiers: local area networks; commercial off-the-shelf hardware; commercial off-the-shelf software; computer-based training; asynchronous transfer mode; synchronous optical network; Distance Learning Environment Demonstration; ATM; SONET; high-bandwidth data-link services; USA; communication needs; network infrastructure; high-quality interactive services; multimedia programs; instructor-led mediated events; student-centric applications; instructor-centric solutions; low-cost self-directed education-on-demand; legacy Ethernet LAN; school-centric courseware management; PC-based software; CBT courseware; centralized server; interactive multimedia courses; individual student information; school administration; software maintenance; performance metrics; wide area network; remote student population

Class Codes: B0120 (Education and training); B6150C (Communication switching); B6260F (Optical fibre networks); B6210R (Multimedia communications); B6210L (Computer communications); C7810C (Computer-aided instruction); C6130M (Multimedia); C5620L (Local area networks); C5620W (Other computer networks); C5630M (Multimedia servers)

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21/5/3 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

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5710314 INSPEC Abstract Number: C9711-6160B-015

Title: The TOSDHIM system. Management of distributed heterogeneous multimedia information

Author(s): Andres, F.; Ono, K.; Kaneko, K.; Makinouchi, A.; Folliot, B.; Sens, P.; Cadinot, P.

Author Affiliation: R&D Dept., NACSIS, Tokyo, Japan

Conference Title: Proceedings. Eighth International Workshop on Database and Expert Systems Applications (Cat. No. 97TB100181) p.126-8

Editor(s): Wagner, R.R.

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1997 Country of Publication: USA xvii+770 pp.
ISBN: 0 8186 8147 0 Material Identity Number: XX97-02234
U.S. Copyright Clearance Center Code: 0 8186 8147 0/97/\$10.00
Conference Title: Database and Expert Systems Applications. 8th
International Conference, DEXA '97. Proceedings
Conference Date: 1-2 Sept. 1997 Conference Location: Toulouse, France
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)

Abstract: Emerging distributed information systems combine **local - area network** information systems and **wide - area network** management to deliver **multimedia** information. Typically, these **distributed** information systems are based on multiple sites and multiple servers. In this worldwide network dimension, query processing balancing and data placement management have a key role to play, due to the large number of possible processing sites and due to the information types. We propose the design of an experimental distributed DBMS called TOSDHIM (Total System for Distributed and Heterogeneous Information Management) to provide high performance in distributed and heterogeneous information systems. In this paper, we present the architecture and implementation of TOSDHIM and discuss its operating characteristics. In addition, TOSDHIM provides a general, customisable platform for the development of new algorithms for distributed query optimization, storage management and scalable query processing of multimedia information. This flexibility is primarily due to a customisable architecture, integrating dynamic resource management and load balancing supervision, that permits autonomous, local dynamic query optimization to be made regarding data placement, query execution location and storage management. (9 Refs)

Subfile: C

Descriptors: distributed databases; multimedia computing; query processing; storage management

Identifiers: TOSDHIM; distributed heterogeneous multimedia information management; distributed information systems; local-area network; wide-area network; multiple servers; worldwide network; query processing balancing; data placement management; distributed DBMS; high performance; heterogeneous information systems; system architecture; implementation; operating characteristics; customisable platform; algorithm development; distributed query optimization; storage management; scalable query processing; dynamic resource management; query execution location; load balancing supervision; autonomous local dynamic query optimization

Class Codes: C6160B (Distributed databases); C6120 (File organisation); C6130M (Multimedia); C6160S (Spatial and pictorial databases)

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21/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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5698183 INSPEC Abstract Number: B9710-6210R-067, C9710-5620W-072

Title: Multipass transmission policy: an effective method of transmitting large multimedia objects in the wide - area network

Author(s): Sheng-Yih Wang; Bhargava, B.

Author Affiliation: Dept. of Comput. Sci., Purdue Univ., West Lafayette, IN, USA

Conference Title: Proceedings Twenty-First Annual International Computer Software and Applications Conference (COMPSAC'97) (Cat. No.97CB36112) p. 382-7

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1997 Country of Publication: USA xxi+688 pp.

ISBN: 0 8186 8105 5 Material Identity Number: XX97-02215

U.S. Copyright Clearance Center Code: 0730 3157/97/\$10.00

Conference Title: Proceedings Twenty-First Annual International Computer Software and Applications Conference (COMPSAC'97)

Conference Sponsor: IEEE Comput. Soc

Conference Date: 13-15 Aug. 1997 Conference Location: Washington, DC,

USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Multimedia objects such as audio, video and images are usually very large in size and often used in time critical applications. The traditional method of transmitting these large objects over a WAN is to use TCP because of the high loss rate of IP datagrams over a WAN. We propose a method called multi pass transmission policy (MpTP). The basic idea of MpTP consists of three things: sending small packets, selective retransmission requested by the receiver, and multi pass transmission. MpTP function by sending small packets and packets not received on the first pass are retransmitted on the second pass and so on till the required reliability is reached. We have conducted experiments on both MpTP and TCP, as well as proposing a formal model of MpTP to analyze the MpTP approach. (11 Refs)

Subfile: B C

Descriptors: multimedia communication; multimedia computing; packet switching; transport protocols; wide area networks

Identifiers: multi pass transmission policy; large multimedia object transmission; wide area network; time critical applications; WAN; TCP; high loss rate; IP datagrams; small packets; selective retransmission; formal model; MpTP approach

Class Codes: B6210R (Multimedia communications); B6210L (Computer communications); B6150M (Protocols); B6150C (Communication switching); C5620W (Other computer networks); C6130M (Multimedia); C5640 (Protocols)

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21/5/5 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

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5614187 INSPEC Abstract Number: B9708-6210R-006, C9708-5620L-013

Title: Vartalaap: a network based multimedia presentation system

Author(s): Talati, V.; Mehndiratta, S.L.

Author Affiliation: Dept. of Comput. Sci. & Eng., Indian Inst. of Technol., Bombay, India

Conference Title: Computer Networks, Architecture and Applications. Proceedings of the IFIP TC6 Conference 1994 p.107-22

Editor(s): Raghavan, R.V.; Jain, B.N.

Publisher: Chapman & Hall, London, UK

Publication Date: 1995 Country of Publication: UK vi+371 pp.

ISBN: 0 412 71190 7 Material Identity Number: XX96-00675

Conference Title: Proceedings of International Conference on Computer Networks, Architecture and Applications

Conference Sponsor: Comput. Soc. India; IFIP

Conference Date: Jan. 1995 Conference Location: Madras, India

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Vartalaap is a hierarchical **distributed** system for **multimedia** communication over a **LAN**, implemented to provide an environment that closely approximates a classroom, where interaction, in the form of text, graphic images and voice is two way. This paper presents some details of Vartalaap with a special reference to its support for multimedia based 2-way interaction between a "Presenter" and a "group of participants". The Presenter and the participants may be situated anywhere, as long as they are connected through a LAN. Users access the system via a workstation which has "good" graphics capabilities and built-in support for audio. Issues covered in this paper include an overview of a presentation scenario which Vartalaap models, user's view of Vartalaap, system's view of Vartalaap, and Vartalaap protocol. A status report on the current implementation of Vartalaap is also given, along with its comparison with some other systems. We conclude with a discussion on the limitations of the current implementation and directions for future work. (17 Refs)

Subfile: B C

Descriptors: local area networks; multimedia communication;

teleconferencing

Identifiers: Vartalaap; multimedia presentation system; hierarchical distributed system; multimedia communication; LAN; classroom; 2-way interaction; multimedia based

Class Codes: B6210R (Multimedia communications); B6210L (Computer communications); B6210P (Teleconferencing); C5620L (Local area networks); C6130M (Multimedia)

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21/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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5476446 INSPEC Abstract Number: B9702-6210L-134, C9702-5620L-046

Title: Apricot NET: an asynchronous transfer mode LAN

Author(s): Sakagami, T.; Tsukamoto, Y.; Koshino, M.; Taho, A.

Author Affiliation: Mitsubishi Electr. Corp., Japan

Journal: Mitsubishi Denki Giho vol.70, no.10 p.56-60

Publisher: Mitsubishi Electric,

Publication Date: 1996 Country of Publication: Japan

CODEN: MTDNAF ISSN: 0369-2302

SICI: 0369-2302(1996)70:10L:56:AATM;1-R

Material Identity Number: M234-96012

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Modern client-server systems for large enterprises need to satisfy requirements for multimedia information processing. This article introduces apricot NET, an inexpensive ATM LAN optimized for multimedia data transmission from WindowsNT based servers. (0 Refs)

Subfile: B C

Descriptors: asynchronous transfer mode; client-server systems; local area networks; multimedia communication

Identifiers: asynchronous transfer mode LAN; apricot NET; client-server systems; multimedia information processing; ATM LAN; multimedia data transmission; WindowsNT based servers

Class Codes: B6210L (Computer communications); B6210R (Multimedia communications); C5620L (Local area networks)

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21/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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5327014 INSPEC Abstract Number: B9609-6210L-039, C9609-5620L-012

Title: Indoor propagation calculation taking into account antenna patterns using geometrical optics method

Author(s): Uehara, K.; Seki, T.; Kagoshima, K.

Author Affiliation: NTT Wireless Sys'ts. Labs., Yokosuka, Japan

Journal: Electronics and Communications in Japan, Part 1 (Communications) vol.79, no.5 p.92-102

Publisher: Scripta Technica,

Publication Date: May 1996 Country of Publication: USA

CODEN: ECJCED ISSN: 8756-6621

SICI: 8756-6621(199605)79:5L:92:IPCT;1-R

Material Identity Number: J974-96008

U.S. Copyright Clearance Center Code: 8756-6621/96/0005-0092

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T); Experimental (X)

Abstract: To cope with multimedia, the transmission speed of wireless local area networks (LANs) is expected to be increased to more than 100 Mbit/s so that motion video can be transmitted. An algorithm to compute the effects of the radiation patterns and polarizations of arbitrary transmit and receive antennas is added to the conventional geometrical

optics analysis procedure to study indoor propagation delay characteristics. A method is presented in which the angular information needed for the calculations of the foregoing in a rectangular room can be derived easily from the geometrical nature of the room. By means of the present procedure, the delay wave suppression effect of a narrow-beam antenna in a multipath propagation environment is shown quantitatively. For instance, in the case where both transmit and receive antennas are omnidirectional, the delay spread can be reduced to almost one-tenth if a pencil beam with a half-power beamwidth of 30 degrees is used. By means of these results, a design procedure for antenna half-power beamwidth and polarization was developed for the realization of high transmission quality in indoor high-speed wireless data communications. (15 Refs)

Subfile: B C

Descriptors: antenna radiation patterns; data communication; delays; directive antennas; electromagnetic wave polarisation; geometrical optics; indoor radio; millimetre wave propagation; multipath channels; receiving antennas; transmitting antennas; wireless LAN

Identifiers: indoor propagation; antenna patterns; geometrical optics; polarizations; transmitting antenna; receiving antenna; delay characteristics; angular information; narrow-beam antenna; multipath propagation environment; wireless data communications; wireless local area networks; LAN

Class Codes: B6210L (Computer communications); B6250 (Radio links and equipment); B5260 (Antenna theory); B5210C (Radiowave propagation); C5620L (Local area networks)

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21/5/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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5126373 INSPEC Abstract Number: B9601-6150M-016, C9601-5640-016

Title: Xpress Transport Protocol version 4

Author(s): Weaver, A.C.

Author Affiliation: Dept. of Comput. Sci., Virginia Univ., Charlottesville, VA, USA

Conference Title: Proceedings. 1995 IEEE International Workshop on Factory Communication Systems. WFCS'95 (Cat. No.95TH8141) p.165-74

Editor(s): Decotignie, J.-D.

Publisher: IEEE, New York, NY, USA

Publication Date: 1995 Country of Publication: USA ix+261 pp.

ISBN: 0 7803 3059 5

U.S. Copyright Clearance Center Code: 0 7803 3059 5/95/\$4.00

Conference Title: Proceedings 1995 IEEE International Workshop on Factory Communication Systems. WFCS'95

Conference Sponsor: IEEE Ind. Electron. Soc.; EPFL - Swiss Federal Inst. Technol., Lausanne

Conference Date: 4-6 Oct. 1995 Conference Location: Leysin, Switzerland

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: The Xpress Transport Protocol (XTP) has been designed to support a variety of applications ranging from real-time embedded systems to **multimedia distribution** to applications **distributed over a wide area network**. In a single protocol it provides all the classic functionality of TCP, UDP, and TP4, plus new services such as transport multicast, multicast group management, transport layer priorities, traffic descriptions for quality-of-service negotiation, rate and burst control, and selectable error and flow control mechanisms. XTP has the same interconnectivity as TCP/UDP/TP4 because it operates over any network layer (IP, CLNP), any datalink layer (LLC, MAC), or directly on top of the AAL of ATM. In general, XTP avoids coupling policy with mechanism; XTP offers services but the user's application defines what communications paradigm is most appropriate for its particular environment. XTP is a high performance

protocol, and can sustain high throughput (92 Mbits/s over FDDI between a pair of IBM RS/6000 model 370s) and low latency (350 μ s to move 100 bytes from user memory to user memory on two 50 MHz PCs connected by FDDI). Since XTP can run in parallel with all other transport protocols, and can run over whatever network layer (if any) is provided, it represents a low-risk way to exploit the increased functionality required for distributed applications without sacrificing connectedness or interoperability. (20 Refs)

Subfile: B C

Descriptors: FDDI; multimedia systems; real-time systems; transport protocols

Identifiers: Xpress Transport Protocol version 4; real-time embedded systems; multimedia distribution; wide area network; classic functionality; TCP; UDP; TP4; transport multicast; multicast group management; transport layer priorities; traffic descriptions; quality-of-service negotiation; burst control; selectable error; flow control mechanisms; network layer; datalink layer; high performance protocol; transport protocols; interoperability; connectedness

Class Codes: B6150M (Protocols); B6210R (Multimedia communications); B6220F (ISDN and multimedia terminal equipment); B6210L (Computer communications); C5640 (Protocols); C6130M (Multimedia); C5620L (Local area networks)

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21/5/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

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4911480 INSPEC Abstract Number: C9505-5620W-005

Title: Proceedings 1993 IEEE Workshop on Advances in Parallel and Distributed Systems

Editor(s): Bhargava, B.

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1993 Country of Publication: USA viii+170 pp.

ISBN: 0 8186 5250 0

U.S. Copyright Clearance Center Code: 93/\$3.00

Conference Title: Proceedings 1993 IEEE Workshop on Advances in Parallel and Distributed Systems

Conference Sponsor: IEEE

Conference Date: 6 Oct. 1993 Conference Location: Princeton, NJ, USA

Language: English Document Type: Conference Proceedings (CP)

Treatment: Practical (P)

Abstract: The following topics are dealt with: **wide - area networks** (WANs); large-scale **distributed** systems; **multimedia**; mobile computing; parallel processing; parallel database systems; query optimization; fault tolerance; distributed and parallel algorithms; and protocols.

Subfile: C

Descriptors: distributed algorithms; distributed processing; fault tolerant computing; multimedia systems; parallel algorithms; parallel processing; wide area networks; wireless LAN

Identifiers: distributed algorithms; wide-area networks; WANs; large-scale distributed systems; multimedia; mobile computing; parallel processing; parallel database systems; query optimization; fault tolerance; parallel algorithms; protocols

Class Codes: C5620W (Other computer networks); C6150N (Distributed systems software); C5470 (Performance evaluation and testing); C6130M (Multimedia); C5620L (Local area networks)

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21/5/10 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

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4820564 INSPEC Abstract Number: B9412-6210L-151, C9412-5620L-067

Title: Media integrated ATM-LAN system for Mitsubishi Heavy Industries, Ltd

Author(s): Bisaka, Y.; Kurahashi, M.; Shirotori, A.; Onodera, T.; Saito, M.; Kawaharata, S.; Gokaya, K.; Houji, T.; Tsuruta, K.; Hisada, I.; Hagiwara, H.; Fukase, Y.

Author Affiliation: Corp. Commun. Syst. Div., NEC Corp., Japan

Journal: NEC Technical Journal vol.47, no.7 p.70-4

Publication Date: Aug. 1994 Country of Publication: Japan

CODEN: NECGEZ ISSN: 0285-4139

Language: Japanese Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: NEC has recently developed and installed a media integrated ATM-LAN system for Yokohama Building of Mitsubishi Heavy Industries, Ltd., which was constructed as an advanced intelligent building in "Minato Mirai 21 Area". The media integrated ATM-LAN system uses ATM-LAN technology with ATM switch, which can deal with a large amount of data such as color motion data, voice data, and computer data. It also provides flexible **multimedia** communication by using **distributed IVD-LAN** and preceding wiring system. (0 Refs)

Subfile: B C

Descriptors: asynchronous transfer mode; building wiring; data communication systems; local area networks; multimedia systems; switching systems; visual communication; voice communication

Identifiers: media integrated ATM-LAN system; Mitsubishi Heavy Industries Ltd; NEC; Yokohama Building; advanced intelligent building; Minato Mirai 21 Area; ATM-LAN technology; ATM switch; color motion data; voice data; computer data; flexible multimedia communication; distributed IVD-LAN; wiring system

Class Codes: B6210L (Computer communications); B6230 (Switching centres and equipment); C5620L (Local area networks)

21/5/11 (Item 11 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4778573 INSPEC Abstract Number: B9411-6210L-065, C9411-5620L-018

Title: Multimedia network alternatives for LANs

Author(s): Hanson, D.

Author Affiliation: Hewlett-Packard Co., San Jose, CA, USA

p.8-10

Publisher: Eur. Inst. Commun. & Networks, Basel, Switzerland

Publication Date: 1994 Country of Publication: Switzerland iv+232 pp.

ISBN: 3 905084 28 7

Conference Title: Proceedings of Twelfth Annual Conference on European Fibre Optic Communications and Networks (EFOC & N'94)

Conference Date: 21-24 June 1994 Conference Location: Heidelberg, Germany

Availability: AKM AG, Clarastrasse 57, Postfach, CH-4005 Basel, Switzerland

Language: English Document Type: Conference Paper (PA)

Treatment: General, Review (G); Practical (P)

Abstract: Three **LAN** architectures for **transmission** of **multimedia** traffic are discussed and each is found to have distinct advantages and disadvantages. Heterogeneous IsoEthernet LANs and homogeneous ATM LANs can both support seamless internetworking for multimedia traffic. ATM networks dynamically access the entire channel bandwidth and are easily scalable. Isochronous C-channel TDMA LANs for voice and compressed video are less complex, are not subject to switch congestion loss and can be introduced incrementally into existing packet LANs. The focus for LAN desktop access links is on UTP-3 and UTP-5 for ≤ 100 m length in the ≤ 155.5 MBd range. While UTP links can provide suitable transmission performance in this range, scalable network architectures such as ATM/SDH motivate the need for low cost, scalable data rate access links. The 62MMF supports 300

m, LED-based, links up to 622 Mb/s and a cost-effective upgrade strategy. 8XX nm LEDs are the lowest cost links in the range <or=155 MBd while 13XX nm technology is used for 622 MBd links. (9 Refs)

Subfile: B C

Descriptors: asynchronous transfer mode; internetworking; local area networks; multimedia systems; optical links; packet switching; synchronous digital hierarchy; telecommunication traffic; time division multiple access ; voice communication

Identifiers: LAN architectures; multimedia traffic; heterogeneous IsoEthernet LANs; homogeneous ATM LANs; seamless internetworking; ATM network; entire channel bandwidth; isochronous C-channel TDMA LANs; voice; compressed video; switch congestion loss; LAN desktop access links; UTP-3; UTP-5; scalable network architectures such; ATM/SDH; scalable data rate access links; LED-based links; 13XX nm technology

Class Codes: B6210L (Computer communications); B6260 (Optical links and equipment); B6150E (Multiple access communication); C5620L (Local area networks)

21/5/12 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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4654497 INSPEC Abstract Number: B9406-6210L-020, C9406-5620L-005

Title: Local Area Network

Author(s): Narita, K.; Tsutsui, E.

Journal: Fujitsu vol.45, no.1 p.27-35

Publication Date: 1994 Country of Publication: Japan

CODEN: FUJTAR ISSN: 0016-2515

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P); Product Review (R)

Abstract: This paper describes three recently-released Fujitsu LAN products: FaultTolerant LINK (FTLINK), LR550 Brouter, and SNMP Manager. FTLINK is a high reliability **multimedia LAN** that can **transmit** voice, **images**, and data. Besides a conventional duplication of the common node-part and transmission path, the network has a distributed control method that enables fault-localization and ensures high reliability. LR550 is a high-performance Brouter (a router that also has a bridge function) that uses multiprocessors and a distributed memory architecture to provide a routing performance of 100,000 packets per second. SNMP Manager is a network management software product with an easy-to-use graphical user interface. (0 Refs)

Subfile: B C

Descriptors: distributed control; fault tolerant computing; local area networks; multimedia systems; multiprocessing systems; telecommunication network management; telecommunication network routing; telecommunications computing

Identifiers: Fujitsu LAN products; Fault-Tolerant LINK; FTLINK; LR550 Brouter; SNMP Manager; multimedia LAN; distributed control method; fault-localization; bridge function; multiprocessors; distributed memory architecture; routing performance; 100 000 packets per second; network management software product; graphical user interface

Class Codes: B6210L (Computer communications); B6210C (Network management); C5620L (Local area networks); C7410F (Communications)

21/5/13 (Item 13 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04268228 INSPEC Abstract Number: B9212-6210L-053, C9212-5620L-014

Title: A programmable communication architecture based on Kautz networks

Author(s): Smit, G.J.M.; Havinga, P.J.M.; Jansen, P.G.

Author Affiliation: Dept. of Comput. Sci., Twente Univ., Enschede, Netherlands

. Journal: IFIP Transactions A (Computer Science and Technology)
vol.A-12 p.578-84
Publication Date: 1992 Country of Publication: Netherlands
CODEN: ITATEC ISSN: 0926-5473
Conference Title: Algorithms, Software, Architecture. Information
Processing 92. IFIP 12th World Computer Congress
Conference Sponsor: IFIP
Conference Date: 7-11 Sept. 1992 Conference Location: Madrid, Spain
Language: English Document Type: Conference Paper (PA); Journal Paper
(JP)

Treatment: Practical (P)

Abstract: The authors describe the design of a programmable network switch for a real-time multicomputer system. The system is implemented with Xilinx field programmable gate array technology. The logic function of these devices is controlled by the contents of the on-chip configuration memory. The network switches are the basic building blocks for communication in the multicomputer. They use them as dynamic programmable units, whose function can be changed under program control. The switches can be used to interconnect computers in different physical network topologies. However, they advocate a Kautz topology. This topology interconnects considerably more nodes than the usual topologies (for a given degree and diameter), it has a small degree, has a self-routing property, is fault tolerant and the degree is small and fixed. As an example they show that these switches can be used for the design of a **local area network**, suitable for **distributed multimedia** applications, called Rattlesnake. In order to meet the demanding real-time requirements of multimedia communications they support hybrid TDM, a combination of STM and ATM. While in most LANs the bandwidth is limited to the link bandwidth, the Rattlesnake network has a high aggregate bandwidth with a moderate link bandwidth. (12 Refs)

Subfile: B C

Descriptors: digital integrated circuits; local area networks; network servers

Identifiers: programmable communication architecture; Kautz networks; programmable network switch; real-time multicomputer system; Xilinx field programmable gate array technology; dynamic programmable units; self-routing; local area network; distributed multimedia; Rattlesnake; hybrid TDM; aggregate bandwidth; link bandwidth

Class Codes: B6210L (Computer communications); B1265B (Logic circuits); C5620L (Local area networks); C5610N (Network interfaces); C5120 (Logic and switching circuits)

21/5/14 (Item 14 from file: 2)

DIALOG(R)File 2:INSPEC

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04251846 INSPEC Abstract Number: B9211-6450F-001, C9211-5630-003

Title: Music **server system** - distributed music **system on local area network**

Author(s): Aoyagi, T.; Hirata, K.

Author Affiliation: Univ. of Electro-Commun., Tokyo, Japan

Journal: Journal of Information Processing vol.15, no.1 p.1-9

Publication Date: 1992 Country of Publication: Japan

CODEN: JIPRDE ISSN: 0387-6101

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Describes the system architecture and design considerations of a music server system. This is a platform for music applications under a distributed environment. It is designed by the server-client model, and offers special functions dedicated to musical applications. The music server system is implemented on a workstation and a personal computer connected via a local area network. The system is made of several processes: a music server, a clock client, a device-driver client and application clients. They cooperate using inter-process communication with

a special protocol. The model of the music server consists of the following abstractions: event, track, and time map. An event is defined as a pair of an action and time at which the action is issued. A track holds events, fires events punctually and converts server time to track time according to the time map. The network delay and the process switching overhead may not only increase the response time of the system but also degrade the time accuracy. The algorithm basically incorporates deadline scheduling and event buffering for keeping the time accuracy high enough. The buffer delay is evaluated and the dominant parameters investigated. (15 Refs)

Subfile: B C

Descriptors: electronic music; local area networks; music; network servers

Identifiers: distributed music system; local area network; music server system; server-client model; workstation; personal computer; clock client; device-driver client; application clients; inter-process communication; protocol; event; track; time map; network delay; process switching; response time; deadline scheduling; event buffering

Class Codes: B6450F (Sound synthesisers); B6210L (Computer communications); C5630 (Networking equipment); C5620L (Local area networks); C7820 (Humanities)

21/5/15 (Item 15 from file: 2)

DIALOG(R)File 2:INSPEC

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04213995 INSPEC Abstract Number: B9209-6140C-179, C9209-5260B-069

Title: Implementing JPEG algorithm on INMOS transputer equipped machines

Author(s): Omodeo, A.; Pugassi, M.; Scarabottolo, N.

Author Affiliation: Dept. of Electron., Milan Polytech., Italy

Conference Title: DCC '91. Data Compression Conference (Cat. No.91TH0373-1) p.435

Editor(s): Storer, J.A.; Reif, J.H.

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1991 Country of Publication: USA xiv+478 pp.

ISBN: 0 8186 9202 2

U.S. Copyright Clearance Center Code: TH0373-1/91/0000/0435/\$01.00

Conference Sponsor: IEEE

Conference Date: 8-11 April 1991 Conference Location: Snowbird, UT, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A)

Abstract: Summary form only given. The environment considered is the **transmission** of digitized **images** over **wide - area networks** and ISDN-standard lines, characterized by relatively low transmission speeds (64 kbit/s). Starting from a preliminary C version the authors coded the various units of the complete JPEG Baseline, and tested several parallelization schemes in order to identify bottlenecks and to obtain an easily scalable final program. (0 Refs)

Subfile: B C

Descriptors: computerised picture processing; data compression; ISDN; parallel programming; transputers

Identifiers: INMOS transputer equipped machines; wide-area networks; ISDN-standard lines; JPEG Baseline; parallelization schemes; bottlenecks; 64 kbit/s

Class Codes: B6140C (Optical information and image processing); B6210M (ISDN); C5260B (Computer vision and picture processing); C5620W (Other networks)

Numerical Indexing: bit rate 6.4E+04 bit/s

21/5/16 (Item 16 from file: 2)

DIALOG(R)File 2:INSPEC

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C4075523 INSPEC Abstract Number: B9203-6210L-013, C9203-5620L-007

Title: Self-healing multimedia LAN connecting distributed PBX

Author(s): Kunikyo, T.; Yamauchi, H.; Nakaji, T.; Fujisawa, E.; Kaji, T.

Author Affiliation: Commun. Syst. Technol. Lab., Toshiba Corp., Kawasaki, Japan

Journal: IEICE Transactions vol.E74, no.9 p.2677-86

Publication Date: Sept. 1991 Country of Publication: Japan

CODEN: IEITEF ISSN: 0917-1673

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Corporate information communications systems are recently orienting the integration of various kinds of communication services. A PBX and a LAN have been indispensable in the realization of these systems. Some PBXs are orienting towards distributed switching architecture, and LAN systems are increasing their scale. Both requirements can be realized by means of a high speed loop optical fiber network. An integrated LAN should satisfy the required performance as a multimedia LAN and should be provided self-healing functions which heal failures automatically, to enable continuous operation of the entire system. This paper introduces a multimedia LAN, which attaches importance to the self-healing functions, called SHM-LAN. Its system architecture and its characteristics, such as efficient channel allocation, are presented. This paper also deals with the self-healing functions and some applications. (18 Refs)

Subfile: B C

Descriptors: local area networks; multimedia systems; optical fibres; optical links; private telephone exchanges

Identifiers: distributed PBX; high speed loop optical fiber network; multimedia LAN; self-healing functions; continuous operation; SHM-LAN; system architecture; efficient channel allocation

Class Codes: B6210L (Computer communications); B6260 (Optical links and equipment); B4125 (Fibre optics); C5620L (Local area networks)

21/5/17 (Item 17 from file: 2)

DIALOG(R) File 2:INSPEC

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03965819 INSPEC Abstract Number: B91054329, C91058331

Title: Integrated Network Management, 1. Proceedings of the IFIP TC 6/WG 6.6 Symposium

Editor(s): Meandzija, B.; Westcott, J.

Publisher: North-Holland, Amsterdam, Netherlands

Publication Date: 1989 Country of Publication: Netherlands xvii+666 pp.

ISBN: 0 444 87398 8

Conference Date: 16-17 May 1989 Conference Location: Boston, MA, USA

Language: English Document Type: Conference Proceedings (CP)

Abstract: The following topics were dealt with: heterogeneous interconnection network management; enterprise network management architecture; network integration through standards, business and technical requirements; management information and functions; performance management and monitoring, security and dialog management; design and modelling, fault management; management architecture, telecommunication architecture, **multimedia** integration, **LAN** management; **distributed** systems management, interorganisational cooperation, implementation and language issues; and artificial intelligence in network management, expert tools for network management.

Subfile: B C

Descriptors: artificial intelligence; computer networks; distributed processing; expert systems; high level languages; multimedia systems; operating systems (computers); standards; telecommunication network management; telecommunications computing

Identifiers: management functions; performance monitoring; heterogeneous interconnection network management; enterprise network management architecture; network integration; standards; business; technical

requirements; management information; performance management; security; dialog management; design; modelling; fault management; management architecture; telecommunication architecture; multimedia integration; LAN management; distributed systems management; interorganisational cooperation; language issues; artificial intelligence; expert tools

Class Codes: B0100 (General electrical engineering topics); B6200 (Telecommunication); C5620 (Computer networks and techniques); C7410F (Communications); C6170 (Expert systems); C6140D (High level languages); C6150J (Operating systems); C0200 (General computer topics)

21/5/18 (Item 18 from file: 2)

DIALOG(R)File 2:INSPEC

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03806710 INSPEC Abstract Number: B91011693, C91010496

Title: Development and evaluation of an in-house multimedia desktop conference systems

Author(s): Sakata, S.; Ueda, T.

Author Affiliation: NEC Corp., Tokyo, Japan

Journal: NEC Research and Development no.98 p.107-17

Publication Date: July 1990 Country of Publication: Japan

CODEN: NECRAU ISSN: 0547-051X

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The authors describe an in-house computer-supported desk-to-desk conference system which allows a group of users to conduct a meeting in real-time from their telephone-attached personal computers. Conferees can jointly view and edit relevant multimedia information, including text, graphics, **images**, and handwritten information **distributed** through a **local area network**. Participants can also communicate simultaneously by voice to discuss the information they are sharing. The following is a discussion of the system's design principle, i.e., the group communication architecture and a protocol overview for conference coordination. The system configuration, service functions, and related control mechanisms are also presented. User experiences and the results of feasibility evaluations are also discussed. This system has proved to be applicable to a wide variety of cooperative work, such as distributed software development, joint authoring, and group decision support. (13 Refs)

Subfile: B C

Descriptors: data communication systems; local area networks; microcomputer applications; protocols; real-time systems; teleconferencing; text editing; visual communication; voice communication

Identifiers: LAN; IIA/ICA; in-house multimedia desktop conference systems; telephone-attached personal computers; local area network; group communication architecture; protocol; conference coordination; distributed software development; joint authoring; group decision support

Class Codes: B6210L (Computer communications); B6210P (Teleconferencing); B6220W (Other stations); C5620L (Local area networks); C7410F (Communications); C7100 (Business and administration)

21/5/19 (Item 19 from file: 2)

DIALOG(R)File 2:INSPEC

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03681840 INSPEC Abstract Number: D90002130

Title: Banks, vendors eye IBM's Unix workstation

Author(s): Tracey, B.

Journal: Computers in Banking vol.7, no.4 p.20

Publication Date: April 1990 Country of Publication: USA

CODEN: CBANE6 ISSN: 0742-6496

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

*Abstract: The RS/6000 family is comprised of four workstations and five servers designed to **work** as file **distributors** within a **local area network** (LAN) environment. Each runs IBM's version of Unix, called AIX. The AIX operating system is both multiuser and multitasking-IBM's proprietary OS/2 desk-top operating system is only multitasking. What's more, the RS/6000 computers can run PC-DOS and OS/2 applications as a task under AIX, and use the same Micro Channel bus as the PS/2, allowing PS/2s to be hooked together with RS/6000s over a LAN. (0 Refs)

Subfile: D

Descriptors: banking; IBM computers; Unix; workstations

Identifiers: IBM; Unix workstation; RS/6000; file distributors; local area network; AIX operating system; multiuser; multitasking

Class Codes: D5010 (Computers and work stations); D2050E (Banking)

21/5/20 (Item 20 from file: 2)

DIALOG(R)File 2:INSPEC

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03298793 INSPEC Abstract Number: B89012512, C89015806

Title: A laser-disk based archive, review and communications system for magnetic resonance imaging

Author(s): Cohen, J.; Brenner, M.; Staubitz, R.; Fuchs, K.; Yerushalmy, Z.; Barta, R.

Author Affiliation: Fonar Corp., Melville, NY, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.914, pt.B p.1344-8

Publication Date: 1988 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

Conference Title: Medical Imaging II

Conference Sponsor: SPIE

Conference Date: 31 Jan.-5 Feb. 1988 Conference Location: Newport Beach, CA, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Experimental (X)

Abstract: The Laser Archive, Review and Communications (LARC) system is designed primarily for the archiving and reviewing of Magnetic Resonance (MR) images. After the images are reconstructed on the Magnetic Resonance imager, they are sent, via a direct parallel connection, to the Laser Archive, for storage on optical disk. By using an Ethernet **Local Area Network** (LAN), the **images** can be **sent** from the archive for display on Remote Viewing Systems (RVS), or can be sent back to the imaging system for display on the main operator's console. (0 Refs)

Subfile: B C

Descriptors: biomedical engineering; biomedical NMR; computerised picture processing; local area networks; medical administrative data processing; medical diagnostic computing; optical disc storage; PACS; radiology; video and audio discs

Identifiers: PACS; laser archive review and communications system; Ethernet LAN; laser disc storage; magnetic resonance imaging; direct parallel connection; Remote Viewing Systems

Class Codes: B7540 (Hospital Engineering); B7510B (Radiation and radioactivity applications); B6430H (Video recording); B6210L (Computer communications); B4120 (Optical storage and retrieval); C7330 (Biology and medicine); C5320K (Optical storage); C5620L (Local area networks); C7140 (Medical administration); C5260B (Computer vision and picture processing)

21/5/21 (Item 21 from file: 2)

DIALOG(R)File 2:INSPEC

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03258800 INSPEC Abstract Number: B88073662, C88063758

* **Title: Fast transmission of process data images via LAN -a mathematical model for the worst-case**

Author(s): Geogiades, J.

Author Affiliation: Siemens AG, Munchen, West Germany

Conference Title: EFOC/LAN-88. Papers Presented at: The Sixth European Fibre Optic Communications and Local Area Networks Exposition. Proceedings p.463-6

Publisher: IGI Europe, Basel, Switzerland

Publication Date: 1988 Country of Publication: Switzerland xvi+483 pp.

Conference Date: 29 June-1 July 1988 Conference Location: Amsterdam, Netherlands

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: The further development of systems for process automation towards distributed computer systems without centralized control leads to the problem of how all the decentralized data can be made accessible via LAN to all members of the distributed process automation system. Mainly there are difficulties in meeting the realtime conditions of the data transfers (e.g. one copy of all process data every 5 ms) and the consistency requirement for the distributed process data images. The worst-case is defined as the situation in which all messages occurring in a predetermined fixed time unit z (e.g. $z=5$ ms) and being exposed to realtime conditions are simultaneously ready to be transmitted. Mathematical model is presented which describes the worst-case with respect to the number of the members of the system, to the number and the type of the messages, to the length of the time unit z and to various other variables such as transmission data rate of the medium, length of the messages, etc. (3 Refs)

Subfile: B C

Descriptors: distributed processing; local area networks; real-time systems

Identifiers: process data images; LAN; process automation; distributed computer systems; decentralized data; consistency requirement; realtime conditions; transmission data rate

Class Codes: B6210L (Computer communications); C5620L (Local area networks)

21/5/22 (Item 22 from file: 2)

DIALOG(R)File 2:INSPEC

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03219204 INSPEC Abstract Number: B88059856, C88052165

Title: Multiparty desktop conference system based on integrated group communication architecture

Author(s): Sakata, S.; Ueda, T.

Author Affiliation: NEC Corp., Kanagawa, Japan

Conference Title: 1988 International Zurich Seminar on Digital Communications: Mapping New Applications onto New Technologies (Cat. No.88TH0202-2) p.21-7

Editor(s): Plattner, B.; Gunzburger, P.

Publisher: IEEE, Zurich, Switzerland

Publication Date: 1988 Country of Publication: Switzerland 266 pp.

ISBN: 3 908265 01 0

Conference Sponsor: IEEE; Assoc. Elettrotecnica Elettronica Italiana; Convention Nat. Soc. Electr. Eng. Western Eur.; et al

Conference Date: 8-10 March 1988 Conference Location: Zurich, Switzerland

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: A computer-supported desk-to-desk conference system, which allows a group of users to conduct a meeting from their telephone-attached workstations, is described. Participants can jointly view and manipulate relevant **multimedia** information **distributed** through a **local area**

Network and simultaneously use voice communication to discuss the information they are sharing. The system design is based on an integrated group communication architecture that consists of multimedia document interchange protocols containing various types of information, such as text, graphics, images and hand-drawn figures, and conference coordination protocols involving floor-passing control, convening control, and dynamic joining and leaving control. The architecture is described, and an implementation example is presented including the system configuration, service functions, related control mechanisms and protocols overview for conference coordination. User experiences, evaluation results, and ongoing extensions to integration with other conferencing facilities are briefly discussed. (7 Refs)

Subfile: B C

Descriptors: computer architecture; executive workstations; local area networks; protocols; telecommunications computer control; teleconferencing; voice communication

Identifiers: dynamic joining control; dynamic leaving control; integrated group communication architecture; computer-supported desk-to-desk conference system; telephone-attached workstations; multimedia information; local area network; voice communication; integrated group communication architecture; multimedia document interchange protocols; text; graphics; images; hand-drawn figures; conference coordination protocols; floor-passing control; convening control; architecture; system configuration; service functions; control mechanisms; conference coordination

Class Codes: B6210L (Computer communications); B6210P (Teleconferencing); C3370G (Data transmission); C5220 (Computer architecture); C5540 (Terminals and graphic displays); C5620L (Local area networks); C7420 (Control engineering)

21/5/23 (Item 23 from file: 2)

DIALOG(R)File 2:INSPEC

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03197896 INSPEC Abstract Number: B88053036, C88048063

Title: Real-time desktop conference system based on integrated group communication protocols

Author(s): Sakata, S.; Ueda, T.

Author Affiliation: NEC Corp., Kanagawa, Japan

Conference Title: Seventh Annual International Phoenix Conference on Computers and Communications. 1988 Conference Proceedings (Cat. No.TH0188-3) p.379-84

Publisher: IEEE Comput. Soc. Press, Washington, DC, USA

Publication Date: 1988 Country of Publication: USA xxi+518 pp.

ISBN: 0 8186 0830 7

U.S. Copyright Clearance Center Code: 0896-582X/87/0000-0379\$01.00

Conference Sponsor: IEEE; Arizona State Univ

Conference Date: 16-18 March 1988 Conference Location: Scottsdale, AZ, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: A computer-supported desk-to-desk conference system, which allows a group of users to conduct a meeting from their telephone-attached workstations, is described. Participants can jointly view and manipulate relevant **multimedia** information **distributed** through a **local area network** and simultaneously use voice communication to discuss the information they are sharing. The system is designed on the basis of an integrated group communication architecture that consists of multimedia document interchange protocols containing various types of information, such as text, graphics, images and hand-drawn figures, and convergence coordination protocols involving floor-passing control, convening control and dynamic joining and leaving control. The group communication architecture and an implementation example, including the system configuration, service functions, related control mechanisms and protocols

for conference coordination, are described. User experiences, evaluation results and ongoing extensions to integration with other conferencing facilities are briefly discussed. (7 Refs)

Subfile: B C

Descriptors: ISDN; local area networks; protocols; real-time systems; telecommunications computing; teleconferencing

Identifiers: real-time desktop conference system; integrated group communication protocols; local area network; voice communication; multimedia document interchange protocols; text; graphics; images; hand-drawn figures; convergence coordination protocols; group communication architecture

Class Codes: B6210D (Telephony); B6210M (ISDN); B6210P (Teleconferencing); B6430J (Applications of television systems); C5620L (Local area networks); C7410F (Communications)

21/5/24 (Item 24 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02305689 INSPEC Abstract Number: B84048225, C84039366

Title: LAN/1 intelligent wideband data network

Author(s): Huber, M.

Journal: Elektronik Industrie vol.15, no.4 p.24, 26, 28

Publication Date: 1984 Country of Publication: West Germany

CODEN: EKIDAT ISSN: 0374-3144

Language: German Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The author describes the key features of 3M's **audio**, video and data **transmission local area network**. Token-passing-transfer of a predetermined bit pattern to the network interface units (NIU) is chosen. The NIU which has a token can send a data packet, when this is acknowledged by the receiving NIU the token is passed to the next address. Each NIU which formats and confirms the information is a self-contained unit hence there is no need for a central network processor. NRZ with continuous phase shift keying is used in five high-frequency channels with up to 250 NIUs and 2000 participants. An IBM Personal Computer with 3M software can be used for network supervision. Data rate (50 to 19200), byte length and protocol are selectable. (0 Refs)

Subfile: B C

Descriptors: computer networks; data communication systems; phase shift keying

Identifiers: token-passing-transfer; audio signals; video signals; nonreturn-to-zero code; selectable protocol; computer networks; PSK; LAN/1; intelligent wideband data network; data transmission; local area network; network interface units; data packet; NRZ; continuous phase shift keying; high-frequency channels; IBM Personal Computer; 3M software; network supervision

Class Codes: B6120 (Modulation methods); B6210L (Computer communications); C5620 (Computer networks and techniques)

21/5/25 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01643111 ORDER NO: AADMQ-27004

DESIGN AND IMPLEMENTATION OF A MULTIMEDIA PRESENTATION SYSTEM USING REAL-TIME TRANSPORT PROTOCOL (RTP)

Author: PALACHARLA, SRIDEVI

Degree: M.ENG.

Year: 1997

Corporate Source/Institution: CARLETON UNIVERSITY (CANADA) (0040)

Advisers: AHMED KARMOUCH; S. A. MAHMOUD

Source: VOLUME 36/05 of MASTERS ABSTRACTS.

PAGE 1382. 126 PAGES

Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL ; COMPUTER SCIENCE

Descriptor Codes: 0544; 0984

ISBN: 0-612-27004-1

A new class of protocols like RTP, RTSP and RSVP are tailoring today's packet networks for streaming real-time data that once carried only non-real-time traffic. Multimedia networking is now possible with the existing network infrastructure. Media-on-demand services over the Internet is a reality.

This thesis describes a real-time Multimedia Presentation System for media-on-demand over the Internet. It uses RTP and is capable of real-time video and audio transmission. Our system consists of servers that maintain video/audio clips and clients that retrieve and present them to the users over the network. It provides VCR like control features for user interactivity during media playback. The design, implementation and experimental results of our system are presented in this thesis. The system architecture, communication protocols along with media synchronization and dynamic QoS control mechanisms are discussed.

The prototype developed demonstrates that it is possible to **transmit** real-time **audio** and video on **LAN** as well as the Internet. The significance of RTP for future media-on-demand applications is established.

21/5/26 (Item 2 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2003 ProQuest Info&Learning. All rts. reserv.

01567557 ORDER NO: AAD13-83801

PERFORMANCE STUDY OF FDDI HSMM- LAN PROTOCOL FOR DISTRIBUTED MULTIMEDIA TRAFFIC

Author: DIGAVALLY, SRINIVAS

Degree: M.SC.E.

Year: 1997

Corporate Source/Institution: FLORIDA ATLANTIC UNIVERSITY (0119)

Adviser: BORKO FURHT

Source: VOLUME 35/04 of MASTERS ABSTRACTS.

PAGE 1038. 105 PAGES

Descriptors: COMPUTER SCIENCE

Descriptor Codes: 0984

Over the past ten years, Client/Server computing has had a powerful impact on the way businesses deal with information technology. Client/Server computing has enhanced user's productivity, revolutionized computer networking, and restructured the computer industry.

Today, another new technology is poised to impact business computing in an equally dramatic way. Networked Multimedia computer applications will significantly affect users and network managers and have a tremendous impact on computing and network infrastructures.

This thesis explores the areas of high speed networking for multimedia applications. Focusing primarily on the FDDI technology we model a high speed FDDI multimedia LAN model and developed typical multimedia traffic models to aid in case study of the FDDI HSMM-LAN networks.

FFOL, the Follow On Standards currently in the ANSI standards committee, discuss Network Architectures that include a gigabit backbone network for FDDI and FDDI II networks, making them an attractive and cost effective option to the customer.

21/5/27 (Item 3 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01531034 ORDER NO: AAD97-06351

AN INTEGRATED NETWORK ARCHITECTURE FOR A HIGH SPEED DISTRIBUTED MULTIMEDIA

SYSTEM (NASA CLASSROOM OF THE FUTURE)

Author: NAIK, NITIN SUBRAO
Degree: PH.D.
Year: 1996
Corporate Source/Institution: THE LOUISIANA STATE UNIVERSITY AND
AGRICULTURAL AND MECHANICAL COL. (0107)
Director: SITHARAMA S. IYENGAR
Source: VOLUME 57/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 5756. 125 PAGES
Descriptors: COMPUTER SCIENCE ; ENGINEERING, ELECTRONICS AND ELECTRICAL
; EDUCATION, TECHNOLOGY
Descriptor Codes: 0984; 0544; 0710

Computer communication demands for higher bandwidth and smaller delays are increasing rapidly as the march into the twenty-first century gains momentum. These demands are generated by visualization applications which model complex real time phenomena in visual form, electronic document imaging and manipulation, concurrent engineering, on-line databases and multimedia applications which integrate audio, video and data. The convergence of the computer and video worlds is leading to the emergence of a distributed multimedia environment.

This research investigates an integrated approach in the design of a high speed computer-video **local area network** for a **distributed multimedia** environment. The initial step in providing multimedia services over computer networks is to ensure bandwidth availability for these services. The bandwidth needs based on traffic generated in a distributed multimedia environment is computationally characterized by a model. This model is applied to the real-time problem of designing a backbone for a distributed multimedia environment at the NASA Classroom of the Future Program. The network incorporates legacy LANs and the latest high speed switching technologies. Performance studies have been conducted with different network topologies for various multimedia application scenarios to establish benchmarks for the operation of the network. In these performance studies it has been observed that network topologies play an important role in ensuring that sufficient bandwidth is available for multimedia traffic.

After the implementation of the network and the performance studies, it was found that for true quality of service guarantees, some modifications will have to be made in the multimedia operating systems used in client workstations. These modifications would gather knowledge of the channel between source and destination and reserve resources for multimedia communication based on specified requirements. A scheme for reserving resources in a network consisting legacy LAN and ATM is presented to guarantee quality of service for multimedia applications.

21/5/28 (Item 4 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01510813 ORDER NO: AAD96-33633

**QUALITY OF SERVICE ANALYSIS FOR DISTRIBUTED MULTIMEDIA SYSTEMS IN A
LOCAL AREA NETWORKING ENVIRONMENT**

Author: CHUNG, EDWARD CHI-FAI
Degree: PH.D.
Year: 1996
Corporate Source/Institution: OHIO UNIVERSITY (0167)
Director: MEHMET CELENK
Source: VOLUME 57/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3923. 148 PAGES
Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL ; COMPUTER SCIENCE
Descriptor Codes: 0544; 0984

The stringent timing requirement imposed by distributed multimedia applications have raised questions about the adequacy of continuous media

support in the current commercial operating systems. The main objective of this research is to study the requirements, also known as Quality of Service (QOS) of multimedia applications and develop a QOS management scheme to support an efficient multimedia networking environment. An integrated QOS management architecture is proposed to maintain synchronization among different continuous media objects.

The primary goal of this research is to present a set of key application QOS parameters and map these requirements through all the layers of our proposed integrated QOS management framework. Emphasis is placed on four performance criteria for continuous media communication: Throughput, transmission delay, delay variations, and error rates.

End-to-end QOS guarantees are ensured by dynamic QOS control that is orchestrated by a protocol entity called the QOS negotiation agent. The QOS negotiation agent expands on the supplier-consumer paradigm, where the consumer requests a service (product) from the supplier and the supplier delivers the service if the consumer agrees on the cost. The QOS negotiation agent is an end-point resource manager that orchestrates the required resources for tasks performed in the application and transport subsystems. Using different negotiation protocols, the consumer side QOS agent negotiates QOS requirements with the network resource management and the supplier side QOS agent.

The QOS negotiation agent was programmed as a Windows NT background process handling all the negotiation threads by monitoring the operating system and network resources while the multimedia application was running in the foreground. To test the effectiveness of the QOS negotiation agent, we developed an AVI video player which could be executed with the QOS negotiation capabilities in either enabled or disabled mode.

The experimental results have demonstrated the effectiveness of the QOS negotiation scheme and confirmed that a comprehensive architectural framework for QOS support is essential for time-critical multimedia applications.

21/5/29 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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03423439 INSIDE CONFERENCE ITEM ID: CN036129475

Performance Analysis of Multimedia Data Transmission over the ATM LAN

Hu, M. J.; Young, Y. S.; Ann, P. K. T.

CONFERENCE: Parallel and distributed computing and networks-International conference

P: 217-220

IASTED, 1997

ISBN: 0889862389

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Hamza, M. H.

CONFERENCE SPONSOR: International Association of Science and Technology for Development

CONFERENCE LOCATION: Singapore

CONFERENCE DATE: Aug 1997 (199708) (199708)

BRITISH LIBRARY ITEM LOCATION: m00/38915

NOTE:

Also known as PDCN'97

DESCRIPTORS: IASTED; parallel computing; distributed computing; PDCN

21/5/30 (Item 2 from file: 65)

DIALOG(R)File 65:Inside Conferences

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02051414 INSIDE CONFERENCE ITEM ID: CN021445266

Multi-Pass Transmission Policy: An Effective Method of Transmitting Large Multimedia Objects in the Wide - Area Network

• Wang, S.-Y.; Bhargava, B.
CONFERENCE: Computer software and applications-Annual international
conference; 21st
COMPSAC -NEW YORK-, 1997 P: 382-387
IEEE, 1997
ISSN: 0730-3157 ISBN: 0818681063; 0818681071; 0818681055
LANGUAGE: English DOCUMENT TYPE: Conference Papers
CONFERENCE SPONSOR: IEEE
CONFERENCE LOCATION: Washington, DC
CONFERENCE DATE: Aug 1997 (199708) (199708)

BRITISH LIBRARY ITEM LOCATION: 3368.300000

NOTE:

Described as proceedings. Also known as COMPSAC '97. IEEE cat no
97CB36112

DESCRIPTORS: computer software; COMPSAC; IEEE

21/5/31 (Item 3 from file: 65)

DIALOG(R)File 65:Inside Conferences

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00020702 INSIDE CONFERENCE ITEM ID: CN000208024

Benefits and Challenges of Distributing Multimedia Over Local and
Wide Area Networks

Eager, W.

CONFERENCE: Interactive multimedia 92-Conference

INTERACTIVE MULTIMEDIA -PROCEEDINGS-, 1992 P: 205-207

Warrenton, Learning Technology Institute, 1993

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE SPONSOR: Society for Applied Learning Technology

CONFERENCE LOCATION: Arlington, VA

CONFERENCE DATE: Aug 1992 (199208) (199208)

BRITISH LIBRARY ITEM LOCATION: 4531.872310

DESCRIPTORS: interactive multimedia; multimedia; applied learning
technology

21/5/32 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

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1229675 H.W. WILSON RECORD NUMBER: BAST95025248

Video connections

Fritz, Jeffrey;

Byte v. 20 (May '95) p. 113-16

DOCUMENT TYPE: Feature Article ISSN: 0360-5280 LANGUAGE: English

RECORD STATUS: New record

ABSTRACT: Part of a special report on new digital video tools and
technology that have made it easier and less costly for the general
business community to create professional-quality video that can be used
throughout a company. Isochronous Ethernet technology and its viability as
an inexpensive way to **send** digital video and **audio** over a **LAN** are
discussed.

DESCRIPTORS: Ethernet network; Multimedia information systems; Digital
video recording;

21/5/33 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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• 00477323 97NW11-004

ATM for the rest of us -- ATM circuits don't often come in convenient sizes, which has slowed their deployment. Inverse Multiplexing for ATM could help turn...

Hurwicz, Mike

Network , November 1, 1997 , v12 n12 p75-79, 4 Page(s)

ISSN: 1069-5621

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

DIGITAL CONVERGENCE column focuses on Inverse Multiplexing for ATM (IMA), an ATM specification which combines multiple T-1 ATM circuits into a single connection within the existing ATM infrastructure. Notes that IMA has recently been approved as a standard, and is now being implemented in several products. Claims that it will save money as well as improve movement of multimedia traffic over a Wide Area Network, and points out that the network does not need to have an ATM backbone to benefit from the technology. Overviews several potential uses for IMA, including end-to-end inverse multiplexing and as access between a customer and a carrier's ATM switches. Predicts that the future of IMA may include the inverse multiplexing of DS-3 for ultra-high-speed ATM. Includes three diagrams and one sidebar. (kgh)

Descriptors: Asynchronous Transfer Mode; Wide Area Networks ; Speed; Standards; Multimedia ; Data Transmission

21/5/34 (Item 2 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00427110 96LM06-004

Facing up to LANs -- It won't be long before video conferencing applications run on the LAN reliably, thanks to a new standard that eliminates video's...

Hurwicz, Mike

LAN , June 1, 1996 , v11 n6 p71-75, 5 Page(s)

ISSN: 1069-5621

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Presents an overview of LAN-based video conferencing technologies and resources. Says LAN-based video conferencing is part of a trend toward desktop video conferencing. Adds that workstation-based video conferencing units are expected to increase from the 72,000 units shipped last year to 7.8 million units by the year 2000 due to reduced prices and more capable microcomputers and operating systems. Notes that the H.323 specification of the ITU, which describes equipment and services for integrating real-time voice, data, and video into networked devices such as PCs and videotelephones, will help push video conferencing onto user desktops. Also says the specification is designed specifically for running multimedia traffic over existing LANs and is compatible with existing LAN cards, hubs, switches, and routers. Includes a bar graph and a sidebar. (dpm)

Descriptors: Computer Conferencing; Video Processing; Network Management; Multimedia ; Data Transmission ; Local Area Networks ; Telecommunications

21/5/35 (Item 3 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00385033 95OL05-005

Who's who on the information superhighway? -- A ``Quick Start'' guide

Levison, Andrew

Online , May 1, 1995 , v19 n3 p97-105, 7 Page(s)

ISSN: 0146-5422

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Provides an overview of the information superhighway, condensed into four basic ideas. First, in addition to files and programs, says that the high-capacity network currently in the planning stage will deliver digitized voice, music and full-motion video, including complete movies. Second, notes that every stage of the traditional telephone or cable signal delivery system needs to be upgraded in order to handle the bandwidth required for high-quality, full-motion video. Explains the relevant technologies in this area, including "video servers," the ATM switch, fiber optics, and wireless technology. Notes that the third important concept is the corporate alliances which will arise with this new technology; and the fourth idea involves combining hardware and content media. Cites competition in the field of telephone companies and movie studios as related to these issues. Includes two tables. (jo)

Descriptors: Internet; **Wide Area Networks**; Corporate Alliances; Data **Transmission**; Motion Pictures; Telecommunications; **Multimedia**

21/5/36 (Item 4 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00363727 94IW10-015

The fast LAN tonic: good for what ails you? -- From souping up networks to replacing them with ATM circuits, you have lots of options if multimedia or video applications are in...

Buerger, David J

InfoWorld , October 3, 1994 , v16 n40 p59, 62, 2 Page(s)

ISSN: 0199-6649

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Reports that LAN managers can expect to be approached by vendors with new products to address problems of bottlenecks, voice transmission, and choppy video. Says some solutions are based on extensions of packet-based frame transmission networking technology and techniques include expanding the transport pipe or changing the way that packets are transferred. Says problems with these methods include lack of synchronization of links that affect multimedia. However, the 100mbps FDDI products are popular, interoperable, and good with multimedia. Describes ATM as another revolutionary solution which provides full isochronous synchronization. Says, however, that there are varying standards, it is expensive, and there is a problem with interoperability. Mentions that most high-speed LAN technologies have interoperability problems. Includes a table comparing components available for fast LAN technologies (bjp)

Descriptors: **Local Area Networks**; Speed; **Multimedia**; Data **Transmission**; Interoperability; Planning

21/5/37 (Item 5 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00213556 90IW03-253

ISDN-like LAN targets users of multimedia applications

Dryden, Patrick

InfoWorld , March 19, 1990 , v12 n12 p34, 1 Pages

ISSN: 0199-6649

Languages: English

Document Type: Product Announcement

Hardware/Software Compatibility: IBM PC Compatible; IBM PC

Geographic Location: United States

• "• Reports that Dukane Network Integration of St.Charles, IL (708) has introduced for release the Tri-LAN system (\$15,000 to \$20,000 for 8-12 users), a system for PC users that integrates data, voice, and video on a high-speed Token Ring network. Operates at 16Mbps on unshielded twisted pair Token Ring. Says it is an alternative to broadband networks, and the main benefit is single-cable support for multimedia needs. (jb)

Descriptors: **Local Area Networks** ; Networks; Data Transmission ; Systems Integration; **Multimedia**

Identifiers: Tri-LAN; Dukane Network Integration

21/5/38 (Item 6 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00162647 88BS02-008

Access your LAN from anywhere: With a phone, a modem, and Carbon Copy Plus 4.0 you can access the power of your network from anywhere in the world

Jones, Delbert

Business Software , Feb 1988 , v6 n2 p76-80, 3 Pages

ISSN: 0742-1214

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC; IBM PC Compatible

Geographic Location: United States

Presents a favorable review of Carbon Copy Plus v. 4.0 (\$NA), a data communications program for the IBM PC or compatible, from Meridian Technology Inc. of Newport Beach, CA (714). States that it links a remote PC to a workstation on a LAN, and the **LAN** computer performs the **work** that is **sent** from the remote PC's keyboard, thus providing much better data communication speed. This also allows interactive trouble-shooting to be performed. Includes one screen display. (tjm)

Descriptors: DATA COMMUNICATION; SOFTWARE REVIEW; NETWORKS

Identifiers: Carbon Copy Plus; Meridian Technology

21/5/39 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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00692299

GaAs CIRCUITS FOR OPTICAL LAN DEVELOPMENT

JAPAN - GaAs CIRCUITS FOR OPTICAL LAN DEVELOPMENT

Telephony (TLY) 24 November 1986 pL

ISSN: 0040-2656

An optical LAN is said to have been developed by Fujitsu by using GaAs circuits giving a transmission speed of 200 Mb/s. **LAN** can **transmit** TV **images** as well as data and is expected to be ready by May 1987 at cost of Y50m.*

PRODUCT: Food & Drink (2000); Electronic Chemicals (2800EC); Local Area Network Equip (3661LA); Data Communications (4811DC); Local Area Networks (4811LA);

EVENT: PRODUCTS, PROCESSES & SERVICES (30);

COUNTRY: Japan (9JPN); OECD Pacific (915);

File 16:Gale Group PROMT(R) 1990-2003/Oct 21
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File 148:Gale Group Trade & Industry DB 1976-2003/Oct 22
(c)2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2003/Oct 21
(c) 2003 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Oct 22
(c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/Oct 21
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?ds

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S12	5265	S9(3N)S6
S13	82	S12(S)LIST?
S14	45	S13 NOT PY>1999
S15	27	RD (unique items)

15/3,K/1 (Item 1 from file: 16)
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06884542 Supplier Number: 58305911 (USE FORMAT 7 FOR FULLTEXT)
iBEAM Broadcasting Receives Investment From Sony Corporation of America.
Business Wire, p1151
Dec 20, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 638

... media to hundreds of thousands of Internet users simultaneously.
iBEAM uses the economic advantages of **satellite content distribution**
to make **transmission** of streaming media more affordable for content
companies while giving the iBEAM's network the ability to deliver more than
300,000 simultaneous streams to viewers and **listeners**.

iBEAM achieved this extensive capacity by building a network of
servers deployed locally in the...

15/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06258048 Supplier Number: 54317577 (USE FORMAT 7 FOR FULLTEXT)
LibertyOne Invests A\$4m In Digital Music Operation 04/07/99.(Company
Business and Marketing)
Newsbytes, pNA
April 7, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; General Trade
Word Count: 325

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
SYDNEY, AUSTRALIA, 1999 APR 7 (NB) -- By David Frith, Computer Daily News.
Australian Stock Exchange- **listed** Internet media group LibertyOne has
again hit the expansion trail, acquiring a majority stake in digital **music**
distributor Satellite Music Australia (SMA). The share deal, worth
more than A\$4 million (US\$2.52 million...

15/3,K/3 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06214452 Supplier Number: 54188245 (USE FORMAT 7 FOR FULLTEXT)
SATELLITE TV.
Satellite Week, v21, n11, pNA
March 22, 1999
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1530

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...to stonewall and not comply with their obligations." She contrasted
brevity of rule with long **list** of political programming obligations of
terrestrial broadcasters. Senate Commerce Committee Chmn. McCain (R-Ariz.)
is...

...900 from industry, Markey \$6,000. Markey doesn't accept PAC
contributions. Rest of Senate **list**: Sens. Dorgan (D-N.D.) and Bayh
(D-Ind.), \$4,500; Communications Subcommittee Chmn. Burns...

...summer with content priced below music CDs. Company said effort will be driven by Sony **Music Entertainment**, with programming **distributed** through Sky PerfecTV, **satellite** TV network in which Sony is leading shareholder. New service will enable subscribers to download...

15/3,K/4 (Item 4 from file: 16)
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05933346 Supplier Number: 53178453 (USE FORMAT 7 FOR FULLTEXT)
Electronic Media Executive to Head Medialink New Business Development.
Business Wire, p1243
Nov 5, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 693

... currently resides in Fairfield, Connecticut, with his family.
Recently selected by Forbes magazine to its **list** of the "200 Best Small Companies," Medialink is the world leader in providing video and **audio** production and **satellite distribution** services to thousands of television and radio stations for corporations and other organizations seeking to...

15/3,K/5 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05678794 Supplier Number: 50163064 (USE FORMAT 7 FOR FULLTEXT)
AUDIOSOFT
Pro Sound News Europe, p72
May, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 304

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Audiosoft has launched Studio On Line, a business-to-business pilot project enabling the electronic **distribution** of **music** libraries with **satellite** delivery. Currently over 5,000s studios across Europe receive music libraries on CD sent by 'snail mail' even though most have full digital equipment. Studio On Line **distributes music** via secure **satellite** broadcast. Equipped with a PC and a DVB (Digital Video Broadcast) card, studios can receive...

...to dramatically improve their efficiency in finding music tracks across various catalogues. Tracks can be **listened** to in realtime then, after automated copyright declaration, they can be imported directly into editing
...

15/3,K/6 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05562696 Supplier Number: 48426350 (USE FORMAT 7 FOR FULLTEXT)
New 20-bit Digital Audio Adapter Gives Broadcasters the Equivalent of Four Boards on a Single Soundcard.
Business Wire, p4161010
April 16, 1998
Language: English Record Type: Fulltext

Document Type: Newswire; Trade
Word Count: 552

... of Antex's OEM, customer focused approach to product development. "To create the Broadcaster, Antex **listened** to customer needs, analyzed trends and leveraged the latest technology in personal computers," Wagner commented. The Broadcaster has applications in broadcast automation, **satellite distribution**, storecasting, digital **audio recording** and mastering and multimedia development.

The Broadcaster will ship in late Q2 with a list...

15/3,K/7 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05519801 Supplier Number: 48366315 (USE FORMAT 7 FOR FULLTEXT)
AudioSoft Presents Studio On Line at Cebit 98
PR Newswire, p319NYTH024
March 19, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 531

... libraries in a no longer adequate format.
STUDIO ON LINE introduces an innovative process to **distribute music** libraries: secure electronic **distribution** through **satellite** broadcast. Equipped with a PC and a DVB (Digital Video Broadcast) card, the studios will...

...their efficiency in finding immediately needed music tracks across various catalogues. Each track can be **listened** to in full length and in real-time. Then, after an automated copyright declaration, they...

15/3,K/8 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05097934 Supplier Number: 47484666 (USE FORMAT 7 FOR FULLTEXT)
News/Industry Wrap-Up: H
PR News, v53, n25, pN/A
June 23, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 806

... Burson Direct, 202/530-4618)
New York-based Medialink Worldwide Inc., which provides video and **audio** production and **satellite distribution** services to thousands of TV and radio stations for corporations and organizations, acquired Corporate Television...

...Inc., New York, a producer of SMTs, VNRs and live broadcast, whose Fortune-500 client **list** includes Microsoft, Virgin Atlantic Airways and Computer Associates. (Medialink, 212/682- 8300)
Three Agencies Acquired...

15/3,K/9 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04790566 Supplier Number: 47050397 (USE FORMAT 7 FOR FULLTEXT)
Internet For Home Use Raising Many Questions

Chen, Elaine
Electronic News (1991), p004
Jan 20, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1278

... such computer industry leaders as Microsoft, IBM and Adaptec (EN, Jan. 13). The system will **download content** by **satellite** several times a day, then cache it on an attached PC. DirecTV is working on specialized content for the system, including a comprehensive, searchable TV **listings** guide shown in alpha at CES.

Finally, several companies showed inexpensive dedicated devices designed to...

15/3,K/10 (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

03390669 Supplier Number: 44710321 (USE FORMAT 7 FOR FULLTEXT)
Radio And The New Technologies
Music & Media, p6
May 28, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2930

... is the technology of getting the programme to the transmitter which then broadcasts to the **listeners**. When you talk about DAB, you are talking about either terrestrial or **satellite** based digital **transmission** of **audio** to the receivers in homes. Telephone companies provide efficient transportation without loss of quality. Companies...

15/3,K/11 (Item 11 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

01360563 Supplier Number: 41611525 (USE FORMAT 7 FOR FULLTEXT)
WXPN-FM to start public station service
Electronic Media, p52
Oct 15, 1990
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 88

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
WXPN-FM in Philadelphia, a **listener** -supported station owned by the University of Pennsylvania, has received a \$300,000 grant from...

...be launched during third quarter 1991, WXPN officials said. Plans call for the service to **distribute music** programing via **satellite** to public radio stations that would be able to use all or part of the...

15/3,K/12 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10896927 SUPPLIER NUMBER: 54136057 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SATELLITE.
Communications Daily, 19, 51, NA
March 17, 1999

ISSN: 0277-0679 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 863 LINE COUNT: 00075

TEXT:

...to stonewall and not comply with their obligations." She contrasted brevity of rule with long **list** of political programming obligations of terrestrial broadcasters. Senate Commerce Committee Chmn. McCain (R-Ariz.) is...

...900 from industry, Markey \$6,000. Markey doesn't accept PAC contributions. Rest of Senate **list** : Sens. Dorgan (D-N.D.) and Bayh (D-Ind.), \$4,500; Communications Subcommittee Chmn. Burns...

...summer with content priced below music CDS. Company said effort will be driven by Sony **Music Entertainment**, with programming **distributed** through Sky PerfectTV, **satellite** TV network in which Sony is leading shareholder. New service will enable subscribers to download...

15/3,K/13 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10810031 SUPPLIER NUMBER: 53740637 (USE FORMAT 7 OR 9 FOR FULL TEXT)
OBITUARY.(inventor Jack DeWitt)(Brief Article)
Television Digest, 39, 6, NA
Feb 8, 1999
DOCUMENT TYPE: Brief Article ISSN: 0497-1515 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 106 LINE COUNT: 00011

TEXT:

...TV Ch. 4, now WSMV, in 1950. In early 1960s, DeWitt worked out method to **download images** from govt. weather **satellite**, allowing WSMV to broadcast nearly real-time weather satellite pictures. He's also credited with...

...retired in 1968, in 1987 won regional Emmy for lifetime achievement. Cause of death and **list** of survivors weren't available.

15/3,K/14 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07541404 SUPPLIER NUMBER: 15819737 (USE FORMAT 7 OR 9 FOR FULL TEXT)
UNITED VIDEO SATELLITE GROUP ANNOUNCES RECORD THIRD QUARTER
PR Newswire, p1018DV003
Oct 18, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 738 LINE COUNT: 00082

... guides, sports and weather information services); 2) SpaceCom Systems, which allows for point-to-multipoint **transmission** of data and **audio**; 3) Superstar **Satellite Entertainment**, which markets and **distributes** programming to about 27 percent of the established home satellite dish market; and 4) UV...

...cable television systems. The company completed its initial public offering in November 1993, and is **listed** on the Nasdaq National Market.
COMBINED

	For the Quarter ended Sept. 30,	
	1994	1993
Revenues...		

15/3,K/15 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07526043 SUPPLIER NUMBER: 16231624 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Army sees desktop video as way to stretch its operations dollars.
Olsen, Florence
Government Computer News, v13, n18, p1(2)
August 15, 1994
ISSN: 0738-4300 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1183 LINE COUNT: 00095

... handled by Timbukt Pro for Macintosh from Farallon Computing Inc.
of Alameda, Calif.

The Maritime **Satellite** system **transmits** the telemedical **images**
because, Gomez said, medical needs tend to get bumped down the priority
list for military satellite use.

15/3,K/16 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07299669 SUPPLIER NUMBER: 16064332 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Don't pet the Internet. (the Internet becomes a hot topic, but don't
believe the hype) (ThinkWrap) (Column)
Rothke, Ben
Datamation, v40, n11, p92(1)
June 1, 1994
DOCUMENT TYPE: Column ISSN: 1062-8363 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 569 LINE COUNT: 00042

... lot of fun. You can chat with users in places you didn't know
existed, **download satellite images** from NASA's archives, and get the
Grateful Dead set **list** for the past 25 years. Frolicking on the Internet
is amusing, just as it was...

15/3,K/17 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07228650 SUPPLIER NUMBER: 15312489 (USE FORMAT 7 OR 9 FOR FULL TEXT)
'Raptors battle Nazis for Spielberg's attention. (film director Steven
Spielberg) (Bitstream)
Wetli, Patty
America's Network, v1, n3, p10(2)
March 15, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 421 LINE COUNT: 00033

...ABSTRACT: With help from San Francisco Satellite, Pac Bell's advanced
broadcast video service enabled the **transmission** of video and **audio**
from ILM to **satellite** facilities, to New York, across the Atlantic and
finally to Cracow, Poland. This allowed Spielberg...

15/3,K/18 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05199634 SUPPLIER NUMBER: 10926745 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Radio syndicators: 1991 menu. (includes description of each) (Pushing the

Right Buttons in Radio Syndication)

Broadcasting, v120, n25, p34()

June 24, 1991

ISSN: 0007-2028

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 6630

LINE COUNT: 00535

... oriented features. The Rush Limbaugh Show, which has a weekly cume audience of 7.1 **listeners**, debuted less than three years ago and is now heard on 350 stations. Additionally, Dean...

...Dr. Dean Edell Medical Minutes, heard on 245 and 300 stations, respectively. All programs are **distributed** via **satellite**.

Entertainment, Culver City, Calif., specializes in Top 40, Country, News/Talk and Classical programs delivered by...

15/3,K/19 (Item 8 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

04160460 SUPPLIER NUMBER: 07987734 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Standards development for transmission of video and audio via satellite.

Muskat, Lynn M.

Telecommunications, v23, n12, p35(5)

Dec, 1989

ISSN: 0278-4831

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2528 LINE COUNT: 00204

... downlinks would thus be reduced.

There are many different practices now in use for the **transmission** of video and **audio** via **satellite**. In Table 2, the key operating characteristics of several well-known users of satellite communication are **listed**. Each system of transmission is based on a series of tradeoffs and is designed to...

15/3,K/20 (Item 1 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

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02544135

Westwood One - Marketing Procedures

Annual Report 00, 1989 p. 0

... its programs, the Company can tailor its program formats to respond to current and changing **listening** preferences. The Company produces both short-form (typically 5 minutes or less) and long-form...

... City Hall of The Who's rock opera "Tommy". Westwood One also engages in the **satellite distribution** of the **audio** portion of live concert performances that are simulcast with HBO, MTV and Showtime. Westwood One...

15/3,K/21 (Item 2 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

01436952

Business of Selling Area Businesses Thriving.

WASHINGTON POST (DC) April 28, 1986 p. s1,141

... arrange sales of businesses that include fast-food carryouts, dry cleaners, liquor stores, dinner theatres, **satellite** manufacturers and automobile **distributorships**. Business brokers **work** in a rapidly changing small business climate, with clients ranging from Harvard MBA

degrees to individuals with street smarts. Brokers take **listings** from owners trying to sell, and seek buyers, and with confidentiality being essential, never use multiple- **listing** service. Brokers receive a 10% benchmark commission rate after the settlement, with the effective rate...

15/3,K/22 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01728157 SUPPLIER NUMBER: 16366585 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Nice Systems' PhonEx: fast, simple, practical call accounting. (Testdrive)
(Software Review) (Evaluation)
Staino, Patricia A.
Teleconnect, v13, n1, p42(1)
Jan, 1995
DOCUMENT TYPE: Evaluation ISSN: 0740-9354 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 675 LINE COUNT: 00049

... PhonEx has toll fraud protection features as well. There is an Undefined Extension Report that **lists** extensions that have made calls but are not assigned. You can also run continuous reports...

...with "today" or "present week." During set-up you define your calling parameters. PhonEx can **send** a beeper alarm, **audio** alarm or **LAN** alarm. The system saves all calls and if it receives a message from your PBX...

15/3,K/23 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04139204 Supplier Number: 54306875 (USE FORMAT 7 FOR FULLTEXT)
Backup for a TNPP satellite-based simulcasting system for paging.
Mobile Radio Technology, pNA
Feb, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Newsletter; Trade
Word Count: 1427

... the switch to monitor the TNPP feed, using TNPPMON. You could also simply observe or **listen** to the KPC-2000's output pages. We then disconnected the satellite feed cable (or...

...testing, the radio feed can come from a TNPP source (PC-generated or from the **satellite**) driving a "flat **audio** " **transmitter** or paging exciter with a dummy load. Finally, reconnect the satellite feed and observe that...

15/3,K/24 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03909942 Supplier Number: 50111897 (USE FORMAT 7 FOR FULLTEXT)
-ASTRA: NSAB and SES announce agreement for Sirius 3 to be leased by SES
M2 Presswire, pN/A
June 29, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1278

(USE FORMAT 7 FOR FULLTEXT)
TEXT:

...in European Satellite Multimedia Services (ESM), which operates the ASTRA-NET platform, enabling service and **content** providers to **transmit** data directly, via **satellite**, to personal computers in businesses and homes across Europe. SES has four additional satellites under...with activities in tele and data communications, cable- TV and media is a public company **listed** on the Stock Exchange in Copenhagen and New York. Tele Danmark also provides uplinking services...

15/3,K/25 (Item 3 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

02490809 Supplier Number: 44999492 (USE FORMAT 7 FOR FULLTEXT)

SPACECOM SYSTEMS SIGNED TO PROVIDE SATELLITE SERVICES FOR MTEL,'S DESTINEER CORPORATION

M2 Presswire, pN/A

Sept 19, 1994

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 666

... 20 largest paging operations. However, Stem says an even larger portion of SpaceCom's client **list** in the wireless industry is comprised of smaller, regional paging operations that serve distinct portions...

...30 inches in diameter, depending on geographic location. SpaceCom, based in Tulsa, Oklahoma, has offered **satellite transmission** of **audio** and data services since 1986. The company provides satellite network services and equipment to clients...

...s largest provider of home satellite television programming; and SpaceCom Systems, which provides data and **audio transmission** services via **satellite**. The company's senices reach more than 60 million homes in the U.S.

CONTACT...

15/3,K/26 (Item 4 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

02329466 Supplier Number: 44545516 (USE FORMAT 7 FOR FULLTEXT)

BITS AND PIECES

Telecomworldwire, pN/A

March 28, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 486

... has introduced a discount licensing plan for corporate users, allowing up to 60 percent off **list** prices... Telefonica de Espana is to pay for its US\$2 billion investment into Compania...

...actually critical to the company's operations... NEC Corp. has developed a multimedia on demand **LAN** system capable of **transmitting audio**, video and data at the same time over a 100Mbit/s link... DDI Corp. and...

15/3,K/27 (Item 5 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

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01108248 Supplier Number: 40803309 (USE FORMAT 7 FOR FULLTEXT)

RIESENHUBER LAUDS JOINT EUROPEAN SPACE EFFORT

Week In Germany, pN/A

May 26, 1989

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 136

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...transport systems, Riesenhuber emphasized the accomplishments of the European rocket Ariane, calling it an effective " **work** horse" that had **sent** 40 **satellites** into orbit. The minister and European Space Agency Director Reimar Luest **listed** among ESA's long- term programs the development of a more powerful Ariane rocket, the...

File 348:EUROPEAN PATENTS 1978-2003/Oct W02

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031016,UT=20031009

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?ds

Set	Items	Description
S1	218	AU=(MCAULAY, R? OR MCAULAY R? OR COHEN, S? OR COHEN S?)
S2	3089	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT) (3N) (DOWNLOAD? OR DOWN()LOAD?)
S3	2584	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR IMAGE OR IMAGES OR GAME OR GAMES) (3N) (DOWNLOAD? OR D-OWN()LOAD?)
S4	52699	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT OR IMAGE OR IMAGES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR SEND? ? OR SENDING)
S5	50358	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR CONTENT? ? OR WORK? ? OR IMAGE OR IMAGES OR GAME OR - GAMES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR S-END? ? OR SENDING)
S6	75100	WAN OR LAN OR WIDE()AREA()NETWORK? OR LOCAL()AREA()NETWORK? OR SATELLITE?
S7	3792	(MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR SECOND)- (2W) (LIST OR LISTS OR LISTING?)
S8	0	S1(S) (S2:S5)
S9	63806	S2:S5
S10	551	S9(3N)S6
S11	4	S10(S)S7
S12	55331	S9 NOT SATELLITE?
S13	190	S12(5N)S6
S14	0	S13(S)S7

'11/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01276898

**CONTENTS MANAGEMENT SYSTEM, DEVICE, METHOD, AND PROGRAM STORAGE MEDIUM
INHALTSVERWALTUNGSSYSTEM, VORRICHTUNG, VERFAHREN UND PROGRAMMSPEICHERMEDIUM
SYSTEME, DISPOSITIF, PROCEDE ET SUPPORT DE PROGRAMME POUR LA GESTION DE
CONTENUS**

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PATENT (CC, No, Kind, Date): EP 1128598 A1 010829 (Basic)
WO 200119017 010315

APPLICATION (CC, No, Date): EP 2000956997 000907; WO 2000JP6089 000907

PRIORITY (CC, No, Date): JP 99253660 990907; JP 99253661 990907; JP
99253662 990907; JP 99253663 990907; JP 99260638 990914; JP 99264082
990917; JP 99265866 990920

DESIGNATED STATES: DE; FR; GB

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ABSTRACT WORD COUNT: 172

NOTE:

Figure number on first page: 0020

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200135	29406
SPEC A	(English)	200135	83907
Total word count - document A			113313
Total word count - document B			0
Total word count - documents A + B			113313

...SPECIFICATION provider 2 via a network 4 composed of a dedicated cable
network, the Internet or **satellite** communication, and **transmits** the
contents to the user home network 5 with signature data added.

The user home network 5...are made public, only basic processing of
the data agitation section will be briefly described.

First , the plain text 64 bits are divided into H0 of the upper 32
bits and...

11/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00836144 **Image available**

**NETWORKED INTERACTIVE TOY SYSTEM
SYSTEME DE JOUETS INTERACTIFS EN RESEAU**

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Patent: WO 200169830 A2-A3 20010920 (WO 0169830)

Application: WO 2001IL248 20010314 (PCT/WO IL0100248)

Priority Application: US 2000189914 20000316; US 2000189915 20000316; US 2000189916 20000316; US 2000190874 20000321; US 2000191300 20000321; US 2000192011 20000324; US 2000192012 20000324; US 2000192013 20000324; US 2000192014 20000324; US 2000193697 20000331; US 2000193699 20000331; US 2000193702 20000331; US 2000193703 20000331; US 2000193704 20000331; US 2000195861 20000407; US 2000195862 20000407; US 2000195863 20000407; US 2000195864 20000407; US 2000195865 20000407; US 2000195866 20000407; US 2000196227 20000410; US 2000197573 20000417; US 2000197576 20000417; US 2000197577 20000417; US 2000197578 20000417; US 2000197579 20000417; US 2000200508 20000428; US 2000200513 20000428; US 2000200639 20000428; US 2000200640 20000428; US 2000200641 20000428; US 2000200647 20000428; US 2000203175 20000508; US 2000203177 20000508; US 2000203182 20000508; US 2000203244 20000508; US 2000204201 20000515; US 2000204200 20000515; US 2000207126 20000525; US 2000207128 20000525; US 2000208105 20000526; US 2000208390 20000530; US 2000208391 20000530; US 2000208392 20000530; US 2000209471 20000605; US 2000210443 20000608; US 2000210445 20000608; US 2000212696 20000619; US 2000215360 20000630; US 2000216237 20000705; US 2000216238 20000705; US 2000217357 20000712; US 2000219234 20000718; US 2000220276 20000724; US 2000221933 20000731; US 2000223877 20000808; US 2000227112 20000822; US 2000229371 20000830; US 2000229648 20000831; US 2000231105 20000908; US 2000231103 20000908; US 2000234883 20000925; US 2000234895 20000925; US 2000239329 20001010; US 2000253362 20001127; US 2000250332 20001129; US 2000254699 20001211; US 2001267350 20010208

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 189040

Fulltext Availability:

Detailed Description

Detailed Description

... sales promotion servers possibly via Internet communication systems utilizing, for example, telephone lines, coaxial cables, **satellite** or other broadband systems. Interactive toys are preferably connected to a

* computing device such as...conversation between a user and a doll can begin with one topic, change to a **second** topic, and progress to a third topic unrelated to the first;
Fig. 276 is a...

11/3,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00509630 **Image available**

ELECTRONIC GAME GUIDE SYSTEM
SYSTEME DE GUIDE ELECTRONIQUE DES JEUX

Patent Applicant/Assignee:

NDS LIMITED,
Inventor(s):
HANDELMAN Doron,
ZVIEL David,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9940982 A1 19990819
Application: WO 99IB620 19990126 (PCT/WO IB9900620)
Priority Application: IL 123288 19980213

Designated States: AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE
DK DK EE EE ES FI FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY
KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 12663

Fulltext Availability:

Detailed Description

Detailed Description

... the apparatus of Figs. I and 3.

Preferably, first gaming guide information associated with a **first list** of available **games** is **transmitted** from the **satellite** network 20, and second gaming ide information associated with a **second list** of available g es is tr smitted
gu am an I
via the Internet 25...

11/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00432616

A COMMUNICATION SYSTEM ARCHITECTURE
SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN SYSTEME DE COMMUNICATION

Patent Applicant/Assignee:

MCI COMMUNICATIONS CORPORATION,
ELLIOTT Isaac K,
STEELE Rick D,
GALVIN Thomas J,
LAFRENIERE Lawrence L,
KRISHNASWAMY Sridhar,
FORGY Glen A,
REYNOLDS Tim E,
SOLBRIG Erin M,
CERF Vinton,

GROSS Phil,
DUGAN Andrew J,
SIMS William A,
HOLMES Allen,
SMITH Robert S II,
KELLY Patrick J III,
GOTTLIEB Louis G,
COLLIER Matthew T,
WILLE Andrew N,
RINDE Joseph,
LITZENBERGER Paul D,
TURNER Don A,
WALTERS John J,
EASTEP Guido M,
MARSHALL David D,
PRICE Ricky A,
SALEH Bilal A,

Inventor(s):

ELLIOTT Isaac K,
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LAFRENIERE Lawrence L,
KRISHNASWAMY Sridhar,
FORGY Glen A,
REYNOLDS Tim E,
SOLBRIG Erin M,
CERF Vinton,
GROSS Phil,
DUGAN Andrew J,
SIMS William A,
HOLMES Allen,
SMITH Robert S II,
KELLY Patrick J III,
GOTTLIEB Louis G,
COLLIER Matthew T,
WILLE Andrew N,
RINDE Joseph,
LITZENBERGER Paul D,
TURNER Don A,
WALTERS John J,
EASTEP Guido M,
MARSHALL David D,
PRICE Ricky A,
SALEH Bilal A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9823080 A2 19980528
Application: WO 97US21174 19971114 (PCT/WO US9721174)
Priority Application: US 96751203 19961118; US 96751668 19961118; US
96752271 19961118; US 96758734 19961118; US 96751209 19961118; US
96751661 19961118; US 96752236 19961118; US 96752487 19961118; US
96752269 19961118; US 96751923 19961118; US 96751658 19961118; US
96752552 19961118; US 96751933 19961118; US 96751663 19961118; US
96746899 19961118; US 96751915 19961118; US 96752400 19961118; US
96751922 19961118; US 96751961 19961118

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU
ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD
TG

Publication Language: English

Fulltext Word Count: 168195

Fulltext Availability:

Detailed Description

Detailed Description

- ... information base which provides a local data copy;
 - Ds 2182- Data server, one of the **master** copies of ISP information;
 - Admin 2184- the ISP administrative functions (for configurations, and maintenance)Mon...uniformly across the ISP 2100 to ensure the validity of all data changes.
- 6. Users **work** on local copies of data; data access is location independent and transparent.
- 7. From the...

File 344:Chinese Patents Abs Aug 1985-2003/Apr
 (c) 2003 European Patent Office
 File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)
 (c) 2003 JPO & JAPIO
 File 350:Derwent WPIX 1963-2003/UD,UM &UP=200367
 (c) 2003 Thomson Derwent
 File 348:EUROPEAN PATENTS 1978-2003/Oct W02
 (c) 2003 European Patent Office
 File 349:PCT FULLTEXT 1979-2002/UB=20031016,UT=20031009
 (c) 2003 WIPO/Univentio
 File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Sep
 (c)2003 Info.Sources Inc
 File 2:INSPEC 1969-2003/Oct W2
 (c) 2003 Institution of Electrical Engineers
 File 35:Disertation Abs Online 1861-2003/Sep
 (c) 2003 ProQuest Info&Learning
 File 65:Inside Conferences 1993-2003/Oct W3
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 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Sep
 (c) 2003 The HW Wilson Co.
 File 233:Internet & Personal Comp. Abs. 1981-2003/Jul
 (c) 2003, EBSCO Pub.
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group
 File 474:New York Times Abs 1969-2003/Oct 22
 (c) 2003 The New York Times
 File 475:Wall Street Journal Abs 1973-2003/Oct 22
 (c) 2003 The New York Times
 File 16:Gale Group PROMT(R) 1990-2003/Oct 21
 (c) 2003 The Gale Group
 File 148:Gale Group Trade & Industry DB 1976-2003/Oct 22
 (c)2003 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2003/Oct 21
 (c) 2003 The Gale Group
 File 621:Gale Group New Prod.Annou.(R) 1985-2003/Oct 22
 (c) 2003 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Oct 21
 (c) 2003 The Gale Group
 File 9:Business & Industry(R) Jul/1994-2003/Oct 21
 (c) 2003 Resp. DB Svcs.
 File 15:ABI/Inform(R) 1971-2003/Oct 22
 (c) 2003 ProQuest Info&Learning
 File 20:Dialog Global Reporter 1997-2003/Oct 22
 (c) 2003 The Dialog Corp.
 File 95:TEME-Technology & Management 1989-2003/Oct W1
 (c) 2003 FIZ TECHNIK
 File 476:Financial Times Fulltext 1982-2003/Oct 22
 (c) 2003 Financial Times Ltd
 File 610:Business Wire 1999-2003/Oct 22
 (c) 2003 Business Wire.
 File 613:PR Newswire 1999-2003/Oct 22
 (c) 2003 PR Newswire Association Inc
 File 624:McGraw-Hill Publications 1985-2003/Oct 21
 (c) 2003 McGraw-Hill Co. Inc
 File 634:San Jose Mercury Jun 1985-2003/Oct 21
 (c) 2003 San Jose Mercury News
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc

?ds

Set	Items	Description
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S1 443249 (IMAGE OR IMAGES OR GAME OR GAMES OR RECORDING? ? OR AUDIO
 OR MUSIC OR CONTENT OR CONTENTS OR ENTERTAINMENT OR MULTIMEDIA
 OR MULTI()MEDIA) (3N) (DOWNLOAD? OR DOWN()LOAD? OR DISTRIBUT?)
 S2 1022118 WAN OR LAN OR WIDE()AREA()NETWORK? OR LOCAL()AREA()NETWORK?
 S3 493 S1(3N)S2
 S4 0 S3(8N) (MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR S-
 ECOND) (2W) (LIST OR LISTS OR LISTING?)
 S5 1 S3(5N)LIST?
 S6 1066 S1(8N)S2
 S7 0 S6(8N) (MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR S-
 ECOND) (2W) (LIST OR LISTS OR LISTING?)
 S8 3 S6(8N)LIST?
 S9 2 S8 NOT S5
 S10 1 S9 NOT PY>1999
 S11 2847 ECAST? OR E()CAST?
 S12 0 S11(10N)S6
 S13 19 S11(3N)S1
 S14 2 S13 NOT PY>1999
 S15 2 S14 NOT (S5 OR S10)
 S16 1 RD (unique items)
 S17 1164 S11 NOT PY>1999
 S18 0 S17(10N)S2

16/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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08681904 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Ecast Deploys Marimba's Castanet to Power an Internet-Based, Entertainment
Management System for the Out-of-Home Market**

BUSINESS WIRE

December 13, 1999

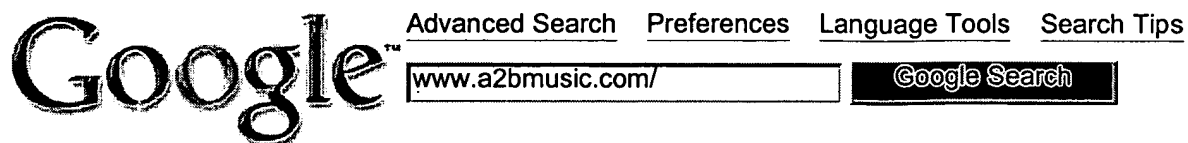
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 950

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of service, one-to-one commerce and targeted advertising.

Castanet's remote distribution capabilities enable **Ecast** to automatically **distribute** updated **content** to sites on a pre-programmed schedule, or let customers request specific updates on the...



[Web](#) . [Images](#) . [Groups](#) . [Directory](#) . [News](#) .

Sorry, no information is available for the URL
www.a2bmusic.com/about/paperrmusicipp.htm

- If the URL is valid, try visiting that web page by clicking on the following link:
www.a2bmusic.com/about/paperrmusicipp.htm
- Find web pages that contain the term "www.a2bmusic.com/about/paperrmusicipp.htm"

[Google Home](#) - [Advertise with Us](#) - [Business Solutions](#) - [Services & Tools](#) - [Jobs, Press, & Help](#)

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The page cannot be displayed

The page you are looking for is currently unavailable. The Web site might be experiencing technical difficulties, or you may need to adjust your browser settings.

Please try the following:

- Click the Refresh button, or try again later.
- If you typed the page address in the Address bar, make sure that it is spelled correctly.
- To check your connection settings, click the **Tools** menu, and then click **Internet Options**. On the **Connections** tab, click **Settings**. The settings should match those provided by your local area network (LAN) administrator or Internet service provider (ISP).
- If your Network Administrator has enabled it, Microsoft Windows can examine your network and automatically discover network connection settings.
If you would like Windows to try and discover them, click Detect Network Settings
- Some sites require 128-bit connection security. Click the **Help** menu and then click **About Internet Explorer** to determine what strength security you have installed.
- If you are trying to reach a secure site, make sure your Security settings can support it. Click the **Tools** menu, and then click **Internet Options**. On the Advanced tab, scroll to the Security section and check settings for SSL 2.0, SSL 3.0, TLS 1.0, PCT 1.0.
- Click the Back button to try another link.

Cannot find server or DNS Error
Internet Explorer

?ds

Set	Items	Description
S1	9	AU=(MCAULAY, R? OR MCAULAY R? OR COHEN, S? OR COHEN S?)
S2	211	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT) (3N) (DOWNLOAD? OR DOWN()LOAD?)
S3	146	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR IMAGE OR IMAGES OR GAME OR GAMES) (3N) (DOWNLOAD? OR D-OWN()LOAD?)
S4	829	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT OR IMAGE OR IMAGES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR SEND? ? OR SENDING)
S5	983	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR CONTENT? ? OR WORK? ? OR IMAGE OR IMAGES OR GAME OR - GAMES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR S-END? ? OR SENDING)
S6	4927	WAN OR LAN OR WIDE()AREA()NETWORK? OR LOCAL()AREA()NETWORK? OR SATELLITE?
S7	42	(MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR SECOND)- (2W) (LIST OR LISTS OR LISTING?)
S8	0	S1 AND (S2 OR S3 OR S4 OR S5)
S9	1419	S2:S5
S10	84	S9 AND S6
S11	0	S10 AND S7
S12	65	S10 NOT (TRANSMITTER? OR BROADCAST? OR GAME)
S13	40	S12 NOT PY>1999
S14	26	S13 NOT WORK? ?

14/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

01135534 DOCUMENT TYPE: Product

PRODUCT NAME: Video-on-Demand Services (135534)

Pathfire Inc (733083)
245 Hembree Park Dr
Roswell, GA 30076 United States
TELEPHONE: (770) 619-0801

RECORD TYPE: Directory

CONTACT: Sales Department

Video-on-Demand Services, offered by Pathfire (TM), is a digital **content distributor** for **content** providers and multiple system operators (MSOs). Video-on-Demand Services automates distribution and integrates with video-on-demand (VOD) servers, eliminating manual tape duplication and delivery processes. The product's interface allows users to track and manage **content distribution**. The system also includes digital rights management features. Video-on-Demand Services integrates with existing VoD servers and submission schedule systems. A multicast distribution system transfers encoded VoD content between providers, headends, and MSO sites. Delivery to headends employs a hybrid **satellite** /DVB/VSAT IP multicast network. The distribution solution ensures the delivery of content and metadata.

DESCRIPTORS: Content Delivery; Content Providers; Digital Rights Management; Network Software; Streaming Media; Video on Demand

HARDWARE: Hardware Independent
OPERATING SYSTEM: Open Systems
PROGRAM LANGUAGES: Not Available
TYPE OF PRODUCT: Mainframe; Mini; Micro; Workstation
POTENTIAL USERS: Video On Demand, Multiple System Operators (MSOs), Content Providers
PRICE: Available upon request

REVISION DATE: 20030222

14/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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01126543 DOCUMENT TYPE: Product

PRODUCT NAME: ZENworks for Handhelds 5 (126543)

Novell Inc (344893)
1800 S Novell Pl
Provo, UT 84606 United States
TELEPHONE: (801) 861-7000

RECORD TYPE: Directory

CONTACT: Sales Department

ZENworks (R) for Handhelds 5, offered by Novell (R), simplifies the management of Palm, Microsoft (TM) Windows CE, and PocketPC devices. ZENworks for Handhelds 5 streamlines software and **content distribution**. The system pushes updates and content to multiple devices. The product also

identifies all hardware and software on devices, allowing IT departments to analyze assets, plan upgrades, and correct processing problems. ZENworks for Handhelds also includes password and other security management features. The system provides IT administrators with centralized configuration management controls. ZENworks for Handhelds can be used to standardize applications across devices; remove unauthorized applications; deploy customized interfaces; and control power settings. The product also automatically copies targeted files, transferring backup data to a centralized repository. ZENworks for Handhelds includes user-define device query features. It offers a wide range of templates, which speed reporting. The system's compression and bandwidth management technologies optimize data transfers. ZENworks for Handhelds supports wireless, dial-up, and **LAN** connections.

DESCRIPTORS: Configuration Management; Electronic Software Distribution; Handhelds & Palmtops; LANs; Mobile Computing; Network Administration; Network Software; Remote Network Access; Telecommuting; Wireless Internet

HARDWARE: IBM PC & Compatibles; Palm; Pocket PC

OPERATING SYSTEM: Palm OS; Pocket PC OS; Windows CE; Windows NT/2000

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Micro

POTENTIAL USERS: Cross Industry

PRICE: Available upon request

OTHER REQUIREMENTS: 64MB server RAM; eDirectory 8.5+ on server; Palm OS 3+ or Win CE 2.11+ or

REVISION DATE: 20030228

14/5/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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01006505 DOCUMENT TYPE: Product

PRODUCT NAME: NetCountant Billing (006505)

Apogee Networks Inc (683949)

Park 80 W, Plaza II

Saddle Brook, NJ 07663 United States

TELEPHONE: (201) 368-8800

RECORD TYPE: Directory

CONTACT: Sales Department

NetCountant (TM) Billing from Apogee Networks is a usage biller for network owners and network-service providers. It can help businesses improve the performance of their networks by measuring and billing for actual usage. End-users become accountable for bandwidth and other resource use. NetCountant gives **WAN** owners the information they need to plan for growth and to control costs and performance. The software provides customer registration, order processing, billing, account management, reporting, and customer service functions. Its flexibility and wide range of options make NetCountant Billing suitable for providers of various technologies, including Internet telephony, wireless Internet access, and application services. Options in the NetCountant product line include NetCountant Accountability (for IP accounting), NetCountant Performance, and NetCountant Content Collection (for Internet **content distributors**).

DESCRIPTORS: ASP (Application Service Providers); Billing; Computer Resource Accounting; ISP (Internet Service Providers); Mobile Computing ; System Monitoring; WANs; Wireless Internet

HARDWARE: Hardware Independent
OPERATING SYSTEM: Open Systems
PROGRAM LANGUAGES: Not Available
TYPE OF PRODUCT: Micro
POTENTIAL USERS: Large Networks, Cross Industry, Network Service Providers
DATE OF RELEASE: 10/1998
PRICE: Available upon request

TRAINING AVAILABLE: Technical support
REVISION DATE: 20001030

14/5/4
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00119855 DOCUMENT TYPE: Review

PRODUCT NAMES: LearningSpace Anytime 3.0 (693545); TRAINER5 Standard Edition 5.11 (774782)

TITLE: Trainer5 creates, Lotus delivers
AUTHOR: Mitchell, Lori
SOURCE: InfoWorld, v21 n44 p47(2) Nov 1, 1999
ISSN: 0199-6649
HOMEPAGE: <http://www.infoworld.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: B

Lotus Development's LearningSpace Anytime 3.0 and MicroMedium's Trainer5 5.11, two Web-enabled training applications, get very good marks overall. LearningSpace's advantages include support for self-paced, asynchronous, and synchronous training; and support for application sharing, videoconferencing, and whiteboarding. However, two Lotus Domino servers are required, as is experience with Notes. LearningSpace, which includes two products, LearningSpace Forum and LearningSpace Live, makes Lotus Notes a collaboration toolset for distance training, supporting user-access, collaboration, and live training in a single solution. Lotus plans to integrate LearningSpace with Macromedia Pathware, which will add powerful course management and content creation tools to LearningSpace. Trainer5 costs much less than LearningSpace, and makes self-paced training courses quick and easy to deploy at low cost. Advantages of Trainer5 are fast template-based development; enhanced **image** support; easy **distribution** to Web, CD or **LAN** media; and easy installation. However, Trainer5 has very few management features and lacks collaboration abilities. Trainer5's customizable templates and wizards significantly ease interactive course design, creation, and distribution. Trainer5's target market consists of corporations and universities conducting remote learning, and its templates and wizards are used to create individual study course. Trainer5 competes in the market with such tools as Asymetrix ToolBook Assistant and Dreamweaver Attain.

COMPANY NAME: Lotus Software (254975); OutStart Inc (612774)
SPECIAL FEATURE: Charts Screen Layouts
DESCRIPTORS: Conferencing; Distance Learning; E-Learning; Groupware;
Internet; Training
REVISION DATE: 20030825

14/5/5
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00119104

DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Proxy Server (622257); Netscape Proxy Server (591599); WebSpective (768171)

TITLE: The Caching Question

AUTHOR: Strom, David

SOURCE: Internet World, v5 n29 p72(3) Sep 15, 1999

ISSN: 1097-8291

HOME PAGE: <http://www.iw.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Squid and WebSpective, Novell's Internet Caching System, and Microsoft's and Netscape Communications' Proxy Servers are highlighted in a discussion of the need for Web caching, which allows quick delivery of content to users. The advantages of caching are easy to see and indisputable, and have led to advances in caching technology. Although a new industry, caching is fast becoming a commodity, with lower prices, more competitive features, and many supporting hardware, software, and services. Caching is very popular primarily because of the congestion of the Internet. Traffic continues to grow as numbers of visitors to sites increase and opportunities are created for vendors of caching products to eliminate speed-bumps to enhance the total Web browsing experience. Caching involves storage of Web content close to the user, generally on a hard disk on the user's LAN. Therefore, requested pages do not have to travel the many routers and sluggish links of the Internet, and they appear faster. However, caching is based on advanced math, software, and special code that determines the speed of delivery. Squid is a popular, free, open-source caching product supporting many operating systems, including Linux and OS/2. It is the basis of Traffic Server, while newer products such as Inktomi's WebSpective, add tools that management content distribution. Novell's, Microsoft's, and Netscape Communications' products are good choices for users of those vendors' products. Also discussed are caching servers and service providers.

COMPANY NAME: Microsoft Corp (112127); Netscape Communications Corp (592625); Inktomi Corp (626031)

SPECIAL FEATURE: Tables Charts

DESCRIPTORS: Internet Utilities; Memory Management; System Performance

REVISION DATE: 20010730

14/5/6

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00118932

DOCUMENT TYPE: Review

PRODUCT NAMES: DB2 Enterprise Edition 6.1 (761168)

TITLE: Smooth sailing toward DB2 update

AUTHOR: Biggs, Maggie

SOURCE: InfoWorld, v21 n36 p47(2) Sep 6, 1999

ISSN: 0199-6649

HOME PAGE: <http://www.infoworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

IBM's DB2 Enterprise Edition 6.1 is a good choice for sites planning to Web-enable a database. However, current DB2 users have to do substantial

pre-planning, testing, and upgrading before DB2 6.1 is ready for action. DB2 6.1 is recommended for its ability to more effectively manage distributed data through new DB2 **Satellite** support, and for its DataLinks, which assist in managing **distributed Web content**. Users should decide up front if such additions are needed by their company and worth the cost. Users should also evaluate DB2's new per-processor pricing, which could affect the entire organization. If a decision is made to migrate to DB2 6.1, users can follow a provided Action Plan to proceed with implementation. Upgraders are advised to prepare to upgrade by researching DB2 6.1's changes and additions; reading the Quick Beginning manual; verifying system, environment, and staff requirements; preparing project plans; and developing and testing recovery plans. To execute tests, users should run dual tests and compare results. When installing DB2 Enterprise Edition 6.1, upgraders should perform pre-upgrade steps, including database backup; verify that databases can successfully be migrated; define an installation user account; execute installation online; and verify the installation using an IBM-provided sample database. Post-installation tasks are also described.

COMPANY NAME: IBM Corp (351245)
SPECIAL FEATURE: Charts Screen Layouts
DESCRIPTORS: Database Management; Database Publishing; DB2; Internet
Utilities; Program Development
REVISION DATE: 20010330

14/5/7

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00118072 DOCUMENT TYPE: Review

PRODUCT NAMES: Kodak Digital Science Dimension Software (763675); Aerial Management Service (763683)

TITLE: Digital Imaging Technologies Can Save Time and Boost Sales
AUTHOR: Boland, John
SOURCE: Professional Surveyor, v19 n3 p24(2) Apr 1999
ISSN: 0278-1425
HOMEPAGE: <http://www.profsurv.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Eastman-Kodak's Kodak Digital Science Dimension Software and Aerial Management Service are highlighted in a discussion of digital imaging technologies that can save surveyors' time and can increase sales of surveying services. With one new software application, surveyors can use handheld terrestrial photography to accurately locate existing buildings, so that surveyors need not establish as many manual survey points. **Satellite** and aerial images may also be used by surveyors to assess properties previous to development, and to engage in survey planning. A service from Kodak permits tax agencies to detect changes in a geographic area quickly and accurately, so that tax assessments can be revised. Items detectable include hot tubs, ponds, wood decks, fences, carports, and rooms. Kodak Digital Science Dimension Software provides accurate measurements using images from digital cameras or digitized images from 35mm prints or negatives. Operating in either a relative or local coordinate system, the software allows surveyors to use handheld terrestrial photography to capture precise measurements of existing buildings. At one meeting of a surveyors' group, Aerial Image Management Service's Web site was **distributed**. The site shows **images** from aerial service companies nationwide, and allows users to search for images by keyword or geographical area.

COMPANY NAME: Eastman Kodak Co (044369)
SPECIAL FEATURE: Output Samples Screen Layouts
DESCRIPTORS: Image Processing; Municipal Management; Photography;
Surveying; Tax Assessment
REVISION DATE: 19990930

14/5/8

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00117931 DOCUMENT TYPE: Review

PRODUCT NAMES: Adobe Photoshop (213756); Macromedia HomeSite (655571)

TITLE: Web-enabled Telemedicine project developed to monitor the health...

AUTHOR: Grasso, Vincent, MD

SOURCE: Health Management Technology, p18(1) Mar 1999

ISSN: 0745-1075

HOME PAGE: <http://www.healthmgttech.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Adobe Systems' Adobe Photoshop and Allaire's HomeSite are part of the configuration for a Web-enabled telemedicine system created to allow eight climbers of Mt. Everest to communicate their vital health statistics from 29,000 feet above sea level in extreme weather conditions. Hardware included video signaling generated over a pair of B-phones to support 128Kbps video and audio signals using the H.320 industry standard video protocol. From the base camp, the signals were sent via the INMARSAT Indian Ocean **satellite** to a land station in Malaysia. Calls were then sent over the SATCOM Global ISDN network to California where they were picked up by the AT&T ISDN Network. A Web site created with Photoshop and HomeSite showed the vital statistics of the climbers and other pertinent information. Personnel Status Monitors monitored the vital signs of climbers, and a portable 3D tele-ultrasound system was used to **transmit images** of injuries to doctors at Yale University. The project was completed in under 30 days. The value of the project lies in the fact that intervention by medical personnel in an emergency would not have been possible if climbers had not been monitored and results reported back to physicians via the World Wide Web site.

COMPANY NAME: Adobe Systems Inc (394173); Macromedia Inc (423106)
DESCRIPTORS: Emergencies; Graphics Tools; Health Care; Internet; Photoshop
; Sports; Telemedicine; Wireless Networks
REVISION DATE: 20020923

14/5/9

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00113529 DOCUMENT TYPE: Review

PRODUCT NAMES: Electronic Publishing (830458); E-Books (839825)

TITLE: Consortium eyes satellite -based e-book system

AUTHOR: Hara, Yoshiko

SOURCE: Electronic Engineering Times, v1030 p31(1) Oct 12, 1998

ISSN: 0192-1541

HOME PAGE: <http://www.eet.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

The launching of the Electronic Book Consortium gave a big boost to the electronic book distribution industry. The consortium is led by major publishers in Japan. They are hoping to build a **satellite** -based electronic book distribution system. There are already 130 members, including publishers, bookstores, and major electronics, telecommunications, and **satellite** companies. The founders of the Consortium include Hitachi, Sharp, and Nippon Telegraph and Telephone. The system the group envisions would include **content - transmission** centers, **satellites**, receiving terminals, and portable book readers. The portable book readers are similar to current personal digital assistants. Digital content would be provided by publishers, and transmitted by groundstation to **satellites**, which would then transmit the data to receiving terminals at stores or to PCs in homes. The content could then be removed to the portable reading device. There are also similar plans for electronic books in the United States, using the Internet as the delivery vehicle. The consortium will determine specifications, such as the screen size of the reader, but the functions included in the readers will be left up to each manufacturer.

COMPANY NAME: Vendor Independent (999999)
DESCRIPTORS: **Content** Delivery; **Distributors**; E-Books; Electronic Publishing; Publishing; **Satellite** Internet Access
REVISION DATE: 20001230

14/5/10

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00113128 DOCUMENT TYPE: Review

PRODUCT NAMES: **Cumulus Network 4.0 Macintosh (472964)**

TITLE: **Cumulus isn't nebulous**
AUTHOR: Crosten, Mark
SOURCE: eMedia Weekly, v12 n40 p23(1) Nov 2, 1998
ISSN: 0892-8118
HOMEPAGE: <http://www.emediaweekly.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Canto Software's Cumulus Media Management System Network 4.0 for Macintosh Servers is an image database for the Mac. The system builds on Version 3.0 and has plenty of new features. Setting up and configuring Cumulus is simple and easy, much easier than establishing systems on an NT or UNIX server. Installing client software on Mac or Windows clients is also straightforward. The software moves quickly through a search of a large image database on a variety of Mac and Windows clients. Cumulus also supports TCP/IP, and switching to TCP/IP from AppleTalk will speed up the search and retrieval process a great deal. In this release, it is also possible to administer the server from any client. Sites with clients that are spread out across a large geographic area will find this feature very useful. It is possible to remotely administer the server over a **WAN** connection as well. Cumulus also has royalty-free browsers for Windows and Mac. The browsers are convenient for users wanting to **distribute images** to be viewed on different platforms. Cumulus supports over 100 file formats, including QuickTime 3.0 and PDF. The PDF filter copies embedded text into a searchable form.

PRICE: \$2495

COMPANY NAME: Canto GmbH (568261)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Apple Macintosh; Digital Asset Management; File Management;
Graphics Tools; MacOS; Multimedia; UNIX; Windows NT/2000
REVISION DATE: 20030925

14/5/11

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00111621 DOCUMENT TYPE: Review

PRODUCT NAMES: VidPhone (728209)

TITLE: Alternatives to IP Video
AUTHOR: Johnson, Nels
SOURCE: Digital Video Magazine, v6 n9 p72(2) Sep 1998
ISSN: 1075-251X
HOMEPAGE: <http://www.dv.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Objective Communications' VidPhone System is a good example of the non-Internet Protocol-based network video tools that are changing the way many video professionals deliver high-quality video to the LAN / WAN desktop using traditional phone circuits. VidPhone uses the company's VidModem technology, which transmits video, audio, and collaborative data over twisted telephone wire pairs carrying standard telephone signals. VidPhone, which complements the architecture of commercial telephone systems, uses non-IP technology to deliver quality video and audio signals over traditional phone lines. Although telephony video streams do not play over Web browsers, the evolving technology will make this possible as the technology matures. VidPhone's client and server must be within 2,000 feet of one another, and only 50 users are supported on each switch, though the latter limitation can be overcome by simply adding more switches.

COMPANY NAME: Objective Communications Inc (654531)
SPECIAL FEATURE: Charts
DESCRIPTORS: Digital Video; Network Software; Telecommunications;
Videoconferencing
REVISION DATE: 20010730

14/5/12

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00111180 DOCUMENT TYPE: Review

PRODUCT NAMES: ViewDirector Prizm Plug-In (445096); Spicer Imagenation (458058); GTX RasterCAD (458023); Alchemy Gold (599981); Myriad (514756)

TITLE: Legacy Data in the Engineering Environment: What it Is, and What Y...
AUTHOR: Zagami, Bob
SOURCE: Document Management, v8 n4 p29(3) Jul/Aug 1998
ISSN: 1057-0365
HOMEPAGE: <http://www.docmanage.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

TMSSequoia's ViewDirector Prizm Plug-In, Spicer's IMAGEnation, GTX's GTX Rater CAD, Information Management Research (IMR)'s Alchemy Gold, and Informative Graphics' Myriad Engineering Viewer are highlighted in a discussion of the use of legacy data in an engineering environment. Today's technology allows conversion of paper and microfilm images in order to create catalogs of legacy data in digital format. When converted, digital images can be viewed, annotated, redlined, edited, and managed with cost-justified systems from multiple vendors. Such industry-standard formats as TIFF and CALS allow end-users to contemplate organized, broad-based, conversion of legacy data before deploying comprehensive enterprisewide document management systems. ViewDirector is an excellent viewer available in Macintosh, UNIX, and Windows versions. It adds new functions to a Web browser and allows users to view TIFF, JPEG, PCX/DCX, BMP, GIF, and other black and white and color images via the Internet or an intranet. Myriad, a viewing and markup package, allows viewing of CAD drawings, images, documents, and 3D models. IMAGEnation supports viewing, markup, and editing, and can receive scanned paper documents. GTX Raster CAD and CTXImage CAD support raster editing and raster-to-vector conversion respectively, while Alchemy Gold and Gold/Pro catalog and **distribute** TIFF or CAD **images** via jukebox, intranet, **LAN**, or **WAN**.

COMPANY NAME: TMSSequoia Inc (625353); Spicer Corp (627763); GTX Corp (544205); Information Management Research Inc (576115); Informative Graphics Corp (529893)
DESCRIPTORS: Archiving; CAD Utilities; CAE; Document Management; Engineering Documentation; Image Storage; Network Software; Optical Discs
REVISION DATE: 20030730

14/5/13

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00105485 DOCUMENT TYPE: Review

PRODUCT NAMES: ViewMail (617806); Microsoft Exchange Server (514811); Microsoft Outlook 2000 (619051)

TITLE: Unified Messaging: From Voice/Fax/Email PC Client To Multimedia M...

AUTHOR: Jainschigg, John Kahan, Russell
SOURCE: Teleconnect, v15 n9 p88(4) Sep 1997
ISSN: 0740-9354
HOMEPAGE: <http://www.teleconnect.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Microsoft's Microsoft Outlook and Microsoft Exchange Server, Active Voice's ViewMail, Novell's GroupWise, and Lotus Development's Lotus Notes are products highlighted in a discussion of unified messaging. A genuine unified messaging system is a multimedia deferred-messaging content switch that interfaces with the phone system/public switched telephone network and the **LAN** /Internet. It sends and receives all types of deferred messages, including voice mail, fax, e-mail, and video mail. It can also sometimes provide services for media conversion, including fax to e-mail via optical character recognition; voice-mail to e-mail via speech recognition, e-mail to voice via text-to-speech, and complex document (for example, a word processor file with embedded **images sent** as e-mail attachments) to a simple file of TIFF pages that can be fetched from a fax machine. All types

of messages can be stored for availability under a local or client interface or via telephone/fax machine access. Subsidiary services are provided with voice mail technology, including message notification, automatic preferential media translation, automated forwarding with media translation, and message escalation. Other subsidiary services include those with IVR, e-mail, and fax server technologies, including e-mail blasting and majordomo-automated response to e-mail. A central management interface is provided along with classes of service, and the system can integrate with a large, united, enterprisewide object-oriented database of resources.

COMPANY NAME: Active Voice Inc (491721); Microsoft Corp (112127)
SPECIAL FEATURE: Charts
DESCRIPTORS: Computer Telephony; E-Mail; E-Mail Utilities; Exchange;
Groupware; Internet Utilities; LANs; Network Software; Office
Automation; Speech Recognition; Unified Messaging; Voice Mail
REVISION DATE: 20020930

14/5/14

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00102260 DOCUMENT TYPE: Review

PRODUCT NAMES: Proclaim (666203); TCP/IP (830058)

TITLE: A Commercial Success
AUTHOR: Kercheville, Jim
SOURCE: Network, v12 n7 p107(5) Jul 1997
ISSN: 1093-8001

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Adlink, a regional interconnect company, uses video file servers and Lucent's SMDS to double the number of networks it sells and services. Adlink sells and distributes advertising from national and regional advertisers for insertion on cable television networks. Previously, Adlink used analog tapes, modems, and **satellite** transmission to distribute advertisements. Adlink now deploys T-1 SMDS, a Lucent Technologies product offered by Pacific Bell and GTE (the phone companies serving Adlink's area) to provide high-speed links to its digital media studio. The T-1 SMDS network links give Adlink multicasting and flexible digital transmission capabilities. For the hardware, Adlink uses Digital Equipment's Mediaplex system built to Adlink's specifications. At the core of the systems' distribution system are TCP/IP and Proclaim, multicast/management software developed by Probita. Proclaim gives Adlink the ability to **distribute multimedia** information to multiple points concurrently, but with the reliability of point-to-point transmissions. Adlink's digital video system is constitutes one of the largest investments made to replace analog tapes with digital technology.

COMPANY NAME: Probita Inc (632295); Vendor Independent (999999)
SPECIAL FEATURE: Charts
DESCRIPTORS: Advertising; Cable Television; Digital Video; File Transfer;
Internetworking; Multimedia; Network Software; Telecommunications
REVISION DATE: 20020819

14/5/15

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00102100

DOCUMENT TYPE: Review

PRODUCT NAMES: MPEG 1 (832146); MPEG 2 (832146); JPEG (830577);
Microsoft AVI (Audio Visual Interleave) Video for Windows (405752);
QuickTime (463701)

TITLE: Multimedia Databases: Through the Looking Glass

AUTHOR: David, Michael M

SOURCE: Database Programming & Design, v10 n5 p26(9) May 1997

ISSN: 0895-4518

HOME PAGE: <http://www.dbpd.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Motion Picture Experts Group (MPEG) 1 and MPEG 2, JPEG, Microsoft's Microsoft AVI (Audio Visual Interleave) for Video for Windows, and Apple Computer's QuickTime technologies are part of a discussion of multimedia databases. Multimedia, a subcategory of the general category of unstructured data called abstract data, includes fingerprints, X-rays, electrocardiograms, and magnetic resonance imaging. Such applications store huge quantities of data, and storage requirements are about the same for multimedia and other abstract data. Multimedia data includes image, video, audio, graphics, animation, hypertext, and hypermedia, and can also include other types of abstract data. The new Motion Picture Experts Group (MPEG 2) video compression and storage standard and other standards can reduce memory requirements by a 40:1 ratio, which means that digital video disk technology when available will be capable of storing a full feature-length movie. MPEG 2 also provides better quality for video-on-demand and subscription **satellite transmission**. Topics covered include: **multimedia** applications; multimedia authoring systems; multimedia database systems (MMDBMSs); advantages of an MMDBMS; integrated versus nonintegrated MMDBMSs; multimedia script language; and MMDBMS query language.

COMPANY NAME: Vendor Independent (999999); Microsoft Corp (112127);
Apple Computer Inc (114936)

SPECIAL FEATURE: Charts Program Listings

DESCRIPTORS: Database Management; Digital Video; File Compression; Image
Storage; Multimedia; Program Development; Standards

REVISION DATE: 20010730

14/5/16

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00099166

DOCUMENT TYPE: Review

PRODUCT NAMES: MDL SCREEN (652768)

TITLE: Client/Server Issues for Scientific Information Systems: Part
One...

AUTHOR: McArthur, Douglas C

SOURCE: Scientific Computing & Automation, v14 n2 p72(2) Jan 1997

ISSN: 0891-9003

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Client/server aspects of the development of MDL Information Systems' MDL SCREEN, an Oracle-based data management system for High Throughput Screening (HTS), are described. The use of client/server in scientific information systems has important advantages over mainframe computing; they

include more data availability and lower development costs. The attributes and needs of a client/server system are described. Client/server architecture generally describes a distributed DBMS that splits functions between a front-end client running on a desktop PC and a back-end database server running on a faster, more powerful workstation. The World Wide Web is the best known implementation of client/server architecture. It allows **transmission** of **content** as text, graphics, animation, and sound through a browser client and a standard communications method (Hypertext Transfer Protocol HTTP) that links to many servers connected to the Internet. Such systems separate client and server processes, so that software upgrades can apply to one or the other or both. The most important requirement is quick, dependable communication between client and server computers. A **LAN** supporting TCP/IP provides the connections, but usually an added layer of network communication is needed, such as Open Database Connectivity (ODBC) or SQL.

COMPANY NAME: MDL Information Systems Inc (164186)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Client/server; Distributed Processing; Laboratories; Network Software; Science
REVISION DATE: 20000630

14/5/17

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00096130 DOCUMENT TYPE: Review

PRODUCT NAMES: Intranets (836214)

TITLE: (Intra)net Profit: Internal Web servers mean convenience for comp...

AUTHOR: Arnold, Kandy

SOURCE: AV Video & Multimedia Producer, v18 n9 p43(3) Sep 1996

ISSN: 1090-7459

HOME PAGE: <http://www.avvideo.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

At Internet World, intranets were on everyone's lips as attendees discussed a potential multimillion dollar market expected to burgeon for intranet components and services. An intranet is an 'internal, corporate Web server that runs across a company's **local area network** and uses a firewall--a series of routers, a computer dedicated to the task, or a combination of the two--to keep outsiders from entering and insiders from using the intranet to gain access to the Web at large.' Pragmatically, intranets are used by corporations that use the World Wide Web to allow access to some external users, including dealers and subcontractors. About 25 percent of Fortune 1,000 companies have an internal Web server, and 40 percent are planning on implementing one. Intranets offer more bandwidth for **transmission** of **multimedia** files, and stand to make big dollars for companies that develop the intranets themselves for clients.

COMPANY NAME: Vendor Independent (999999)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Firewalls; Groupware; Internet Utilities; Internetworking; Intranets; LANs; Network Administration; Network Software; System Monitoring
REVISION DATE: 20020630

14/5/18

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00093361 DOCUMENT TYPE: Review

PRODUCT NAMES: Adobe Photoshop 3.0.4 (213756); Adobe Premiere 4.0 (350591); Macromedia Director 4.0.4 (214248); Astarte Macintosh (625884); DeBabelizer 1.65 (534595)

TITLE: Multimedia Delivers for Direct-Mail Franchiser

AUTHOR: Kirk, Patricia L

SOURCE: Presentations Magazine, v10 n4 p14(2) Apr 1996

ISSN: 1041-9780

HOME PAGE: <http://www.presentations.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Photoshop 3.0.4 and Premiere 4.0 from Adobe Systems, DeBabelizer Toolbox 1.65 from Equilibrium, and Macromedia's Director 4.0.4 contribute to the success of a well-known advertiser. This direct-mail franchise combines these popular products with Catalogic's Astarte CD-ROM recording software to create **multimedia** presentations for **distribution** to sales prospects. The software is implemented on Power Macintosh hardware including 9500, 8500, and 6100 models. The presentation includes a viewer personalizing module, navigational icons for customized viewing, a spreadsheet module for projecting potential returns on the advertising, and much more. The system can be ported to Windows and for running on Toshiba's 400 CDT **Satellite Pro** (laptop).

COMPANY NAME: Adobe Systems Inc (394173); Macromedia Inc (423106); Catalogic (616265); Equilibrium Technologies Inc (526584)

SPECIAL FEATURE: Screen Layouts Charts

DESCRIPTORS: Advertising; Apple Macintosh; Business Graphics; Direct Marketing; Graphics Tools; IBM PC & Compatibles; MacOS; Photoshop; PowerMac; Presentations; Windows

REVISION DATE: 20010930

14/5/19

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00087987 DOCUMENT TYPE: Review

PRODUCT NAMES: Server Enterprise Authoring System (602523)

TITLE: Faster Authoring Systems and Disc Drives

AUTHOR: Staff

SOURCE: Information Today, p25(1) Jan 1996

ISSN: 8755-6286

HOME PAGE: <http://www.infotoday.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Server Enterprise Authoring System (S/EAS) is a high-speed CD authoring system, the latest addition to Data/Ware Development's collection of optical storage and CD-authoring products. It is derived from and similar to the Enterprise Authoring System (EAS), and ships as a turnkey system with all hardware and software needed to automate CD authoring during off-peak hours for unattended production. Many business organizations, including banks, insurance providers, telecommunications companies, and

governments, are distributing information on CD, which can cost less than paper or COM. S/EAS runs on a UNIX SPARCserver, which does preprocessing and processing tasks. Data and images can be entered from tape cartridges, **LAN / WAN** systems, or mainframes. Custom software prepares **downloaded** data/ **images** for **recording**, and creates indexes automatically. Data can be viewed on a PC under Windows.

COMPANY NAME: Data/Ware Development Inc (616575)
DESCRIPTORS: Authoring Systems; CD-ROMs; Electronic Publishing; IBM PC & Compatibles; Multimedia; Sun; UNIX; Windows
REVISION DATE: 19960630

14/5/20

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00087895 DOCUMENT TYPE: Review

PRODUCT NAMES: FlashWare (602922)

TITLE: FlashWare cleans up multimedia on LAN
AUTHOR: Lee, Yvonne L
SOURCE: InfoWorld, v18 n6 p39(1) Feb 5, 1996
ISSN: 0199-6649
HOME PAGE: <http://www.infoworld.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Flashware networking software replaces TCP/IP on IP networks, using instead Real-time Transport Protocol (RTP), which better supports **multimedia** processing and **transmission**. RTP is expected to eliminate hops and spikes on videos running on standard LANs. The product is an early Windows RTP implementation, and a better alternative than TCP for video transmission because TCP's packet-based transmission is unsuitable for sending streams of data, including real-time and recorded audio and video. RTP, unlike TCP, does not resend missed packets. Instead, it communicates with servers that packets were missed. Once a limit for missed packets is reached, RTP talks to the Resource Reservation Protocol (RSVP) so that more bandwidth and processing power can be assigned to the application. This makes video transmission irregularity barely noticeable to users.

COMPANY NAME: Cisco Systems Inc (465828)
SPECIAL FEATURE: Charts
DESCRIPTORS: Communications Protocols; LANs; Multimedia; Network Software; Videoconferencing
REVISION DATE: 19990530

14/5/21

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00082631 DOCUMENT TYPE: Review

PRODUCT NAMES: PrinTrack (582751)

TITLE: LAN -based system keeps film distribution rolling
AUTHOR: Nutter, Ronald
SOURCE: Network World, v12 n25 pL10(2) Jun 19, 1995
ISSN: 0887-7661
HOME PAGE: <http://www.nwfusion.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

A film company gets movie prints from distributors to movie theaters, a task which was until recently a largely manual operation. The process has been automated, saving all involved organizations much time and money. The company built a **LAN** and **WAN** system to facilitate the distribution and tracking process, based on Simulation Systems Technologies' PrintTrak print tracking software. The new system allows film distributors to send daily updates about prints being shipped to theaters. The data can then be accessed by booking companies and subsidiaries around the country. The new system has a mainframe at each distribution company, which can call a PC at the distributor's headquarters on a daily basis. The mainframe dumps all information about prints and shipping.

COMPANY NAME: Simulation Systems Technologies Inc (610399)
SPECIAL FEATURE: Charts
DESCRIPTORS: **Distribution** Management; **Distributors** ; **Entertainment Industry** ; LANs; Shipping; WANs
REVISION DATE: 20020630

14/5/22

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00080852 DOCUMENT TYPE: Review

PRODUCT NAMES: OS/2 Warp Server (557641)

TITLE: **Warp Server beta on deck**
AUTHOR: Leach, Norvin
SOURCE: PC Week, v12 n33 p18(2) Aug 21, 1995
ISSN: 0740-1604

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

IBM's module-based Warp Server gives OS/2 **LAN** Server a broader networking reach, with support for network backup and recovery (with the Personally Safe 'n' **Sound** interface and AdStar **Distributed** Storage Manager support), remote access, and systems management. The product has a new, more intuitive interface, and is designed to compete with NetWare and Windows NT/BackOffice. The Systems Management utilities provide software and hardware discovery, resource management, and performance monitoring with functions from SystemView. License management functions come from Gradient Technologies, but OS/2 application developers have to enable licensing with hooks to their products. Remote access provides remote control, for troubleshooting, and node support, for high-speed modem and Integrated Services Digital Network (ISDN) network node log-in.

COMPANY NAME: IBM Corp (351245)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Disk Backup; IBM PC & Compatibles; **LAN** Server; LANs; Network Administration; Network Software; Operating Systems; OS/2
REVISION DATE: 20020630

14/5/23

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00077257 DOCUMENT TYPE: Review

PRODUCT NAMES: Voicespan (561363); VoiceView (373141); PCS 50 (553077); ProShare (490792)

TITLE: Trends In Desktop Videoconferencing

AUTHOR: Leavitt, Neal

SOURCE: Enterprise Communications, v7 n4 p24(7) Apr 1995

ISSN: 1042-0460

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Desktop videoconferencing (DVC) systems are growing in popularity, and are expected to generate \$2 billion in sales by 1998. AT&T Paradyne's Voicespan was developed for audiographic conferencing. It divides a single analog telephone line into two channels, and supports simultaneous **audio** and data **transmission**. Radish Communications' VoiceView can multiplex voice and data over a single analog line, but voice and data are not simultaneous. However, VoiceView is a very inexpensive solution. PictureTel has seen tremendous growth in its desktop videoconferencing systems for **LAN** users. The company's PCS 50 system is compatible with any 386 or greater PC running Windows 3.1 or later. PCS 50 runs on ISDN telephone lines. Intel's ProShare personal conferencing products now include videoconferencing over the **LAN**. Also, Intel has extended LANDesk manager to permit the administrator to manage videoconferencing over an existing corporate network.

COMPANY NAME: Paradyne Corp (604801); SystemSoft Corp (594865); PictureTel Corp (482641); Intel Corp (097551)

DESCRIPTORS: Conferencing; IBM PC & Compatibles; LANs; Network Software; Telecommunications; Videoconferencing; Windows

REVISION DATE: 19990530

14/5/24

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00071455

DOCUMENT TYPE: Review

PRODUCT NAMES: Vivo320 (526941); LiveLAN (534927)

TITLE: WAN Videoconferencing without High-Priced Hardware

AUTHOR: Taylor, Kieran M

SOURCE: Data Communications, v23 n17 p45(2) Nov 21, 1994

ISSN: 0363-6399

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Vivo320, a software codec (compression/decompression), brings low cost, standardized networked videoconferencing to the desktop. Vivo is the first product to comply with H.320 standards for **transmitting** video/ **audio** over the wide area established by the ITU Telecommunication Standardization Sector (ITU-T). The PC system also connects to room, rollabout, and desktop systems based on the ITU-T spec. Vivo320 establishes and transmits videoconferences using any standard-rate Integrated Services Digital Network (ISDN) line. One Vivo320 user, VP of development for a bank, likes the product's ability to connect to options traders at 14 remote locations. Performance is good, and a hardware/software system with video and document conferencing programs included is also available. Live **LAN** is another standalone product, specifically for NetWare systems, but it is not H.320 compliant.

COMPANY NAME: RealNetworks Inc (611433); PictureTel Corp (482641)
SPECIAL FEATURE: Charts
DESCRIPTORS: Communications Standards; Conferencing; LANs; NetWare;
Network Software; Videoconferencing; WANs
REVISION DATE: 20000930

14/5/25

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00063928 DOCUMENT TYPE: Review

PRODUCT NAMES: AppWare (458406); AutoPilot ShipShape (506753); Ascent
Capture (581194); InputAccel (506737); XipPrint (506788)

TITLE: Design Your Ideal Imaging System with Mix-and-Match Modules

AUTHOR: Mantelman, Lee

SOURCE: Imaging Magazine, v3 n5 p66(6) May 1994

ISSN: 1083-2912

HOME PAGE: <http://www.imagingmagazine.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

AppWare, AutoPilot ShipShape, Ascent Scan Manager, InputAccel, and XipPrint are some of the applications that help create a low-cost, software-based imaging system. Using AppWare, a drag-and-drop programming system, organizations can use AppWare Loadable Modules to provide an interface to back-end, NetWare LAN-based imaging based on a communication standard. ShipShape, AccuPilot, and Scan Manager capture images and send them using a workflow system, and XipPrint supports printing. This type of system is modular, and can be broken into submodules from many vendors. Diamond Head's Visual Basic toolkit can make this configuration easier to implement by providing low-level integration. The toolkit resides on top of the various vendor APIs to allow integrators and end-users to connect submodules. InputAccel is a modular solution with management functions similar to those of one-vendor solutions.

COMPANY NAME: Novell Inc (344893); Xionics Document Technologies
(469335); KoFax Image Products Inc (472255); Captiva Software Corp
(694401)

SPECIAL FEATURE: Charts Photographs

DESCRIPTORS: Image Storage; Program Development; Visual Basic

REVISION DATE: 20030527

14/5/26

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00060221 DOCUMENT TYPE: Review

PRODUCT NAMES: Multimedia (830081)

TITLE: The Move to Multimedia

AUTHOR: Pedersen, Elinor

SOURCE: MidRange Systems, v7 n2 p30(2) Jan 28, 1994

ISSN: 1041-8237

HOME PAGE: <http://www.midrangesystems.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Multimedia applications combine animation, audio, data, graphics, and more into a single entity, placing bigger challenges on networked computers. Multimedia requires high speed telecommunications and more storage space. With the large amount of data going back and forth, automation will be needed to a greater degree when utilizing multimedia. With APPN, mainframe users will have the tools to support **multimedia distributions**, if they are merged with existing LANs. Better interactive communication is required, as the networked multimedia user needs access to shared files on both local and remote servers. The network development required for supporting multimedia fits in with IBM's distributed networking capabilities. This includes support of higher-speed Fiber Distributed Data Interface optical **LAN** technology, and higher speed **WAN** packet switching.

COMPANY NAME: Vendor Independent (999999)

DESCRIPTORS: LANs; Multimedia

REVISION DATE: 20010430

File 9:Business & Industry(R) Jul/1994-2003/Oct 21
(c) 2003 Resp. DB Svcs.
File 15:ABI/Inform(R) 1971-2003/Oct 22
(c) 2003 ProQuest Info&Learning
File 20:Dialog Global Reporter 1997-2003/Oct 22
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File 95:TEME-Technology & Management 1989-2003/Oct W1
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File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
?ds

Set	Items	Description
S1	464	AU=(MCAULAY, R? OR MCAULAY R? OR COHEN, S? OR COHEN S?)
S2	50504	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT) (3N) (DOWNLOAD? OR DOWN()LOAD?)
S3	22822	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR IMAGE OR IMAGES OR GAME OR GAMES) (3N) (DOWNLOAD? OR D-OWN()LOAD?)
S4	139767	(RECORDING? ? OR AUDIO OR MUSIC OR CONTENT OR CONTENTS OR - ENTERTAINMENT OR IMAGE OR IMAGES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR SEND? ? OR SENDING)
S5	145807	(MULTIMEDIA OR MULTI()MEDIA OR SONG OR SONGS OR SOUND OR S-OUNDS OR CONTENT? ? OR WORK? ? OR IMAGE OR IMAGES OR GAME OR - GAMES) (3N) (DISTRIBUT? OR TRANSMISS? OR TRANSMIT? OR SENT OR S-END? ? OR SENDING)
S6	983702	WAN OR LAN OR WIDE()AREA()NETWORK? OR LOCAL()AREA()NETWORK? OR SATELLITE?
S7	26833	(MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR SECOND)- (2W) (LIST OR LISTS OR LISTING?)
S8	0	S1(S)S2:S5
S9	260600	S2:S5
S10	4486	S9(5N)S6
S11	0	S10(S)S7
S12	3281	S9(3N)S6
S13	66	S12(S)LIST?
S14	19	S13 NOT PY>1999
S15	17	RD (unique items)

15/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

2600559 Supplier Number: 02600559 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Heating up the Market
(CHUM to move its Ottawa radio and TV stations to a \$20 mil studio and focus on the local market)
Broadcaster, v 58, n 9, p 10+
September 1999
DOCUMENT TYPE: Journal; Cover Story ISSN: 0008-3038 (Canada)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 3012

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...didn't want to jeopardize negotiations with suppliers. But he did share his generic shopping **list** with Broadcaster. His **list** includes: digital production and switcher, digital effects and character generator, digital router, digital video distribution, analog and digital conversion, video monitors, analog **audio distribution**, **satellite** dishes and receivers, studio cameras and pedestals, remote control cameras, lighting dimmers and lighting grid...

15/3,K/2 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

2441860 Supplier Number: 02441860 (USE FORMAT 7 OR 9 FOR FULLTEXT)
General Motors Planning to Offer Car Buyers Satellite Radio
(XM Satellite Radio and CD Radio are both developing satellite delivered subscription radio services that will be available in cars; first availability expected late in 2000)
Detroit Free Press , p N/A
April 17, 1999
DOCUMENT TYPE: Regional Newspaper ISSN: 1055-2758 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 802

ABSTRACT:

...be late 2000 before XM and its lone competitor, CD Radio of New York, have **satellites** in space **sending** **audio** signals down to autos. Once they do, the companies aim to give radio **listeners** what cable gave TV viewers -- lots of channels with content narrowed to specific tastes. With ...

15/3,K/3 (Item 3 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

2420970 Supplier Number: 02420970 (USE FORMAT 7 OR 9 FOR FULLTEXT)
LibertyOne Invests A\$4m In Digital Music Operation
(LibertyOne, Internet media group, purchased Satellite Music Australia for stock worth \$2.52 mil (Aus\$4 mil); purchase will add an estimated \$2.52 mil to LibertyOne's in sales in the first year)
Newsbytes News Network, p N/A
April 07, 1999
DOCUMENT TYPE: Journal ISSN: 0983-1592 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 301

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

SYDNEY, AUSTRALIA, 1999 APR 7 (NB) -- By David Frith, Computer Daily News.
Australian Stock Exchange- **listed** Internet media group LibertyOne has
again hit the expansion trail, acquiring a majority stake in digital **music**
distributor Satellite Music Australia (SMA).

The share deal, worth more than A\$4 million (US\$2.52 million...

15/3,K/4 (Item 4 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1763175 Supplier Number: 01763175 (USE FORMAT 7 OR 9 FOR FULLTEXT)
KOREA: KT snubs plans to shift strategic focus to wireline
(KT sets goal to become a 30-tril-won-sales global "supercarrier" by 2005,
although the government is encouraging it to shift focus from wireless to
wireline)
Asia Pacific Telecoms Analyst, n 61, p 5
January 27, 1997
DOCUMENT TYPE: Newsletter ISSN: 1355-0071 (United Kingdom)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1020

ABSTRACT:

...20-plus subsidiaries across a range of whole sectors by 2005. Its
ambitions encompass telecoms, **satellite** broadcasting, video-
entertainment , distribution , finance and information superhighway
construction. KT's "Vision 2005" plan is centered on diversifying its...

...proposals for KT to reduce its operations in the mobile market. Full
text provides table **listing** Korea's number of licenses held for various
services (PCS, Paging, etc) by various Korean...

15/3,K/5 (Item 5 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1067677 Supplier Number: 01067677 (USE FORMAT 7 OR 9 FOR FULLTEXT)
The Big Picture
(Software and hardware companies are developing video server technology,
but businesses may not be ready for it)
Information Week, p 62+
October 31, 1994
DOCUMENT TYPE: Journal; Industry Overview ISSN: 8750-6874 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1649

ABSTRACT:

Video servers, which can either be hardware- or software-based, store
digitized video **images** and **transmit** them over **local area networks**
(LANs) to desktop PCs. Needing large amounts of storage and high
throughput, video images cannot...

...work of Oracle Corp, Avid Technology Inc, Sun Microsystems Inc, and
Micropolis Corp, and it **lists** other companies which are also working on
them. The article discusses what some businesses are...

15/3,K/6 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00300974 86-01388

How Satellite Networks Beam Down Profits

Hurlock, Jim

Business Week v2926 PP: 53 Dec 23, 1985

ISSN: 0007-7135 JRNL CODE: BWE

ABSTRACT: Many ailing radio stations are turning to **satellite** radio **transmitters** , such as **Satellite Music Network (SMN)**, for their programming. SMN (Dallas, Texas) transmits programming in 5 formats, 24 hours...

...overhead costs. Each format is carefully designed by consulting firms to attract specific groups of **listeners** . Most of SMN's success has been in the smaller and medium-size markets. SMN...

15/3,K/7 (Item 2 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

00222852 84-01413

Digital Transmission, Cable Audio, AM Stereo Impact Radio Industry

Whalen, Bernie

Marketing News v17n24 (Section 2) PP: 21 Nov 25, 1983

ISSN: 0025-3790 JRNL CODE: MNW

ABSTRACT: The radio broadcast industry is changing as a result of: 1. digital **satellite transmission** , 2. cable **audio** , and 3. stereo AM broadcasts. Digital satellite transmission is replacing programming delivery over telephone lines...

... only 130 of the 4,500 AM stations, but as the technology spreads and more **listeners** purchase AM stereo radios, AM stations could attract the regular FM **listeners** , thereby affecting advertising strategies of sponsors and programming decisions of stations.

15/3,K/8 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

08796195 (USE FORMAT 7 OR 9 FOR FULLTEXT)

iBEAM Broadcasting Receives Investment From Sony Corporation of America

BUSINESS WIRE

December 20, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 735

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... s network the ability to deliver more than 300,000 simultaneous streams to viewers and **listeners** .

iBEAM achieved this extensive capacity by building a network of servers deployed locally in the...

15/3,K/9 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

08704375 (USE FORMAT 7 OR 9 FOR FULLTEXT)

EchoStar and WebTV Networks Deliver Digital Video Recording for Satellite TV Customers

BUSINESS WIRE

December 14, 1999
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1281

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... or rewind any selected program; downloadable video games via satellite; and Instant News. The TV **Listings** allows users to view programming seven days in advance and to quickly search and find...

15/3,K/10 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

03359125 (USE FORMAT 7 OR 9 FOR FULLTEXT)
GERMANY: SATELLITE MARKET
U.S. and Foreign Commercial Service (US&FCS)
INDUSTRY SECTOR ANALYSIS
September 30, 1998
JOURNAL CODE: FISA LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 4850

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... systems as well. The listing following below provides an overview of current plans for broadband **multimedia transmissions** via **satellites**

Table 1 Multimedia Projects

	SATELLITE SYSTEM	FREQUENCY BAND	STATUS
Celestri	63 LEOs; + M-Star	Ka...	

15/3,K/11 (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

03350134 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Electronic Media Executive to Head Medialink New Business Development
BUSINESS WIRE
November 05, 1998
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 722

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of the "200 Best Small Companies," Medialink is the world leader in providing video and **audio** production and **satellite distribution** services to thousands of television and radio stations for corporations and other organizations seeking to...

15/3,K/12 (Item 5 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

03089522
Satellite book distribution in the wings
SECTION TITLE: News
Jan Howells
NEWSWIRE (VNU)
October 12, 1998
JOURNAL CODE: WNEW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 212

... it is successful a service could go live before the millennium. Other major electronics companies **listed** as consortium members are IBM, Japan Satellite Systems, JVC, Matsushita, Microsoft, Minolta, Ricoh, Seiko Instruments...

15/3,K/13 (Item 6 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

01396326 (USE FORMAT 7 OR 9 FOR FULLTEXT)
New 20-bit Digital Audio Adapter Gives Broadcasters the Equivalent of Four Boards on a Single Soundcard
BUSINESS WIRE
April 16, 1998 6:20
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 464

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the latest technology in personal computers," Wagner commented. The Broadcaster has applications in broadcast automation, **satellite distribution**, storecasting, digital **audio recording** and mastering and multimedia development. The Broadcaster will ship in late Q2 with a **list** price of \$3495. It is available both from Antex direct sales and through Antex distributors...

15/3,K/14 (Item 1 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2003 Business Wire. All rts. reserv.

00156822 19991214348B0379 (USE FORMAT 7 FOR FULLTEXT)
(DISHP) EchoStar and WebTV Networks Deliver Digital Video Recording for Satellite TV Customers
Business Wire
Tuesday, December 14, 1999 13:06 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,153

...hours of digital video recording, TV Pause, skip, fast-forward or rewind any selected program; **downloadable** video **games** via **satellite**; and Instant News. The TV **Listings** allows users to view programming seven days in advance and to quickly search and find...

15/3,K/15 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1245194 NYTH024
AudioSoft Presents Studio On Line at Cebit 98

03:00 EST WORD COUNT: 495

...libraries in a no longer adequate format.

STUDIO ON LINE introduces an innovative process to **distribute** music libraries: secure electronic **distribution** through **satellite** broadcast. Equipped with a PC and a DVB (Digital Video Broadcast) card, the studios will...

... their efficiency in finding immediately needed music tracks across various catalogues. Each track can be **listened** to in full length and in real-time. Then, after an automated copyright declaration, they...

15/3,K/16 (Item 2 from file: 813)

DIALOG(R)File 813:PR Newswire

(c) 1999 PR Newswire Association Inc. All rts. reserv.

0971758

ATM009

THE GEORGIA CENTER FOR ADVANCED TELECOMMUNICATIONS TECHNOLOGY HOSTS A HIGH TECH OPENING CELEBRATION

DATE: July 15, 1996

10:02 EDT

WORD COUNT: 707

...virtual gorilla" visits to Zoo

Atlanta, international videoconferencing, remote radiology diagnosis, electronic medical house calls, **satellite transmission** of **multimedia**, and new Internet technologies (SEE FOLLOWING **LIST**). The Technology Demonstrations will continue throughout July and August 1996.

The 150,000-square-foot...

15/3,K/17 (Item 3 from file: 813)

DIALOG(R)File 813:PR Newswire

(c) 1999 PR Newswire Association Inc. All rts. reserv.

0752000

DV003

UNITED VIDEO SATELLITE GROUP ANNOUNCES RECORD THIRD QUARTER

DATE: October 17, 1994

08:04 EDT

WORD COUNT: 770

...guides, sports and weather information services); 2)

SpaceCom Systems, which allows for point-to-multipoint **transmission** of data and **audio**; 3) Superstar **Satellite Entertainment**, which markets and

distributes programming to about 27 percent of the established home satellite dish market; and 4) UV...

...cable

television systems. The company completed its initial public offering in November 1993, and is **listed** on the Nasdaq National Market.

COMBINED

For the Quarter ended Sept. 30,	
1994	1993

Revenues...

?

File 344:Chinese Patents Abs Aug 1985-2003/Apr
 (c) 2003 European Patent Office
 File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)
 (c) 2003 JPO & JAPIO
 File 350:Derwent WPIX 1963-2003/UD,UM &UP=200367
 (c) 2003 Thomson Derwent
 File 348:EUROPEAN PATENTS 1978-2003/Oct W02
 (c) 2003 European Patent Office
 File 349:PCT FULLTEXT 1979-2002/UB=20031016,UT=20031009
 (c) 2003 WIPO/Univentio
 File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Sep
 (c)2003 Info.Sources Inc
 File 2:INSPEC 1969-2003/Oct W2
 (c) 2003 Institution of Electrical Engineers
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 (c) 2003 ProQuest Info&Learning
 File 65:Inside Conferences 1993-2003/Oct W3
 (c) 2003 BLDSC all rts. reserv.
 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Sep
 (c) 2003 The HW Wilson Co.
 File 233:Internet & Personal Comp. Abs. 1981-2003/Jul
 (c) 2003, EBSCO Pub.
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group
 File 474:New York Times Abs 1969-2003/Oct 22
 (c) 2003 The New York Times
 File 475:Wall Street Journal Abs 1973-2003/Oct 22
 (c) 2003 The New York Times
 File 16:Gale Group PROMT(R) 1990-2003/Oct 21
 (c) 2003 The Gale Group
 File 148:Gale Group Trade & Industry DB 1976-2003/Oct 22
 (c)2003 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2003/Oct 21
 (c) 2003 The Gale Group
 File 621:Gale Group New Prod.Annou.(R) 1985-2003/Oct 22
 (c) 2003 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Oct 21
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 File 9:Business & Industry(R) Jul/1994-2003/Oct 21
 (c) 2003 Resp. DB Svcs.
 File 15:ABI/Inform(R) 1971-2003/Oct 22
 (c) 2003 ProQuest Info&Learning
 File 20:Dialog Global Reporter 1997-2003/Oct 22
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 File 95:TEME-Technology & Management 1989-2003/Oct W1
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 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
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?ds

Set	Items	Description
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S1 443249 (IMAGE OR IMAGES OR GAME OR GAMES OR RECORDING? ? OR AUDIO
 OR MUSIC OR CONTENT OR CONTENTS OR ENTERTAINMENT OR MULTIMEDIA
 OR MULTI()MEDIA) (3N) (DOWNLOAD? OR DOWN()LOAD? OR DISTRIBUT?)
 S2 1022118 WAN OR LAN OR WIDE()AREA()NETWORK? OR LOCAL()AREA()NETWORK?
 S3 493 S1(3N)S2
 S4 0 S3(8N) (MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR S-
 ECOND) (2W) (LIST OR LISTS OR LISTING?)
 S5 1 S3(5N)LIST?
 S6 1066 S1(8N)S2
 S7 0 S6(8N) (MASTER OR FIRST OR 1ST OR PRIMARY OR SECONDARY OR S-
 ECOND) (2W) (LIST OR LISTS OR LISTING?)
 S8 3 S6(8N)LIST?
 S9 2 S8 NOT S5
 S10 1 S9 NOT PY>1999

5/3,K/1 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003, EBSCO Pub. All rts. reserv.

00546002 99ED09-002

Distance learning over ATM/SONET: the distance learning environment demonstration

Viren, John; Viren, Catherine

Journal of Educational Technology Systems , September 1, 1999 , v27 n3
p231-243, 13 Page(s)

ISSN: 0047-2395

...control of the courses. Concludes that COTS hardware and software can be used to develop **multimedia** interactive courseware **distributed** over a **WAN** . Includes one **list** of references. (amg)

10/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00487153 **Image available**

**SYSTEM AND METHOD FOR TRANSFERRING ONE-TO-MANY DISK IMAGE AMONG COMPUTERS
IN A NETWORK**

**SYSTEME ET METHODE DE TRANSFERT D'IMAGERIE D'UN A PLUSIEURS DISQUES ENTRE
LES ORDINATEURS D'UN RESEAU**

Patent Applicant/Assignee:

POWERQUEST CORPORATION,

Inventor(s):

RAYMOND Robert S,

DENNIS Blaine S,

RUFF Eric J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9918505 A1 19990415

Application: WO 98US20650 19981002 (PCT/WO US9820650)

Priority Application: US 9761127 19971006

Designated States: JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 10323

Fulltext Availability:

Detailed Description

Detailed Description

... may configure one of its own disks by sending packets to itself, other computers may **listen** in and likewise **download** the disk **image** . The network may use **local area network** addresses, universal resource locators ("URLs"), or other addresses to specify the network connections that serve...

(FILE 'HOME' ENTERED AT 15:35:29 ON 22 OCT 2003)

FILE 'CONFSCI' ENTERED AT 15:35:36 ON 22 OCT 2003

L1	123 S (IMAGE OR IMAGES OR GAME OR GAMES OR RECORDING? OR AUDIO OR M
L2	372 S WAN OR LAN OR WIDE()AREA()NETWORK? OR LOCAL()AREA()NETWORK?
L3	0 S L1 AND L2